







Wiring Type IP67



Harness connector type 5G Antenna power IP66





















Features

- High efficiency up to 95.5% and active PFC function
- · Fanless design, cooling by free air convection
- · Aluminum case and filling with heat-conducted glue
- · Withstand 10G vibration test
- -40 ~ +70°C wide operating range
- · Charger function for lead-acid batteries and Li-ion batteries
- Built-in default 2/3 stage charging curves and programmable curve
- Built-in CANBus and PMBus / MODBus by optional
- · Output voltage and constant current level programmable
- Protections: Short circuit / Overload / Over voltage / Over temperature
- · Built-in remote ON-OFF control and DC OK active signal
- · Harness connector type with AC fail and T-Alarm signal
- · LED indicator for power on
- · Diverse installation scenarios-Mounting methods
- · Wiring and Harness connector type with IP67 rating
- 6 years warranty

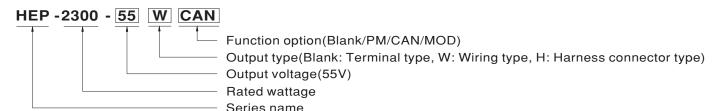
Applications

- · Industrial automation machinery
- Industrial control system
- · Mechanical and electrical equipment
- Electronic instruments, equipments or apparatus
- Telecom system(RRU)
- 5G active antenna unit(AAU)

Description

HEP-2300 is a 2300W industrial AC/DC power supply featuring the outstanding capability to operate under highly humid, dusty, oily, and high-vibration harsh environment. The entire series is housed with the aluminum case and fully potted with heat-conducted glue. Adopting the full range $90\sim305$ VAC input, the entire series provides an output voltage line of 55V. In addition to the high efficiency up to 95.5%, that the whole series operates from $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$ under air convection without fan. HEP-2300 has the complete protection functions and 10G anti-vibration capability; It is complied with the international safety regulations such as TUV EN62368-1 UL62368-1, and design refers to EN61558-1 and EN60335-1. HEP-2300 series serves as a high performance power

Model Encoding



I/O Type	Function type	Communication Protocol	Note
Terminal	Blank	CANBus and PV/PC programmable	In Stock
Terminai	PM	PMBus and PV/PC programmable	By request
	Blank	PV/PC programmable	In Stock
Wiring	PM	PMBus	By request
	CAN	CANBus	By request
Hamasas	Blank	CANBus	In Stock
Harness	PM	PMBus	By request
connector	MOD	MODBus-RTU/RS-485	By request



SPECIFICATION

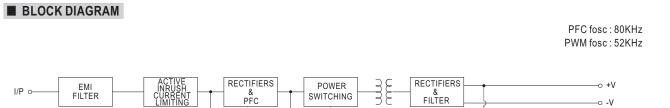
SPECIFIC MODEL	ATION	HED 2200 55 🗆 🗆						
MODEL	DO VOLTA OF (5 t t . 5 lt)	HEP-2300-55						
	DC VOLTAGE (factory default)							
	CURRENT (factory default)	41.8A						
	RATED CURRENT (max.)	48A						
	POWER (factory default)	2300W						
	RATED POWER (max.)	2304W						
	FULL POWER VOLTAGE RANGE							
OUTPUT	RIPPLE & NOISE (max.) Note.2	1 1						
	VOLTAGE ADJ. RANGE	By potentiometer VR						
	VOLIAGE ADO. NANGE	39 ~ 57.6V						
	VOLTAGE TOLERANCE Note.3	±1.0%						
	LINE REGULATION	±0.5%						
	LOAD REGULATION	±0.5%	0.5%					
	SETUP, RISE TIME	1800ms, 100ms/230VAC at full load						
	HOLD UP TIME (Typ.)	16ms/230VAC at 75% load 12ms/230	VAC at full load					
	VOLTAGE RANGE Note.4	90 ~ 305VAC 250 ~ 431VDC						
	FREQUENCY RANGE	47 ~ 63Hz						
	POWER FACTOR (Typ.)	PF>0.99/115VAC, PF>0.95/230VAC, PF>0	0.93/277VAC at full load					
INPUT	EFFICIENCY (Typ.)	95.5%						
	AC CURRENT (Typ.)		3A / 277VAC					
	INRUSH CURRENT (Typ.)	Cold start 60A/230VAC	577 277 770					
	LEAKAGE CURRENT	<1.8mA Peak / 240VAC <2mA Peak /	277VAC					
	LEARAGE CORRENT	105 ~ 115% rated output power	ZII VAO					
	OVERLOAD	<u> </u>	unit will obutdown offer E common of the E	to receiver				
BB 6 P 7 C C C C C C C C C C C C C C C C C C		71	unit will shutdown after 5 sec. re-power on	го тесоvег				
PROTECTION	OVER VOLTAGE	60.5 ~ 69.1V						
		Protection type :Shut down O/P voltage,re	•					
	OVER TEMPERATURE	7.	ecovers automatically after temperature go	es down				
	OUTPUT VOLTAGE	Adjustment of output voltage is allowable	e to 50 ~ 120% of nominal output voltage					
	PROGRAMMABLE(PV) Note 5		-11					
FUNCTION	OUTPUT CURRENT	Please refer to the Function Manual	allowable to 20 ~ 100% of rated current					
1 011011011	REMOTE ON/OFF CONTROL		: Open circuit					
	AUXILIARY POWER		<u>'</u>					
	DC-OK SIGNAL	12V@0.5A tolerance±10%, ripple 150mVp-p						
		The TTL signal out, PSU turn on = 4.5 ~ 5.5V; PSU turn off = -0.5 ~ 0.5V. Please refer to the Function Manual						
	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")						
ENVIRONMENT	WORKING HUMIDITY	20 ~ 95% RH non-condensing						
ENVIRONMENT	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing						
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)	0.03%/ C (0 ~ 50 C) 0 ~ 500Hz, 10G 12min./1cycle, period for 72min. each along X, Y, Z axes					
	VIBRATION		•					
	SAFETY STANDARDS			N/EN61558-1, BS EN/EN60335-1(by reques				
		OVCIII I/P-O/P: 6KVDC I/P-FG:4KVDC						
	ISOLATION RESISTANCE Note 6	I/P-O/P, I/P-FG,O/P-FG:100M Ohms/500V	/DC/25°C / 70%RH					
		Parameter	Standard	Test Level / Note				
		Conducted	BS EN/EN55032 (CISPR32)	Class B				
	EMC EMISSION	Radiated	BS EN/EN55032 (CISPR32)	Class A				
		Harmonic Current	BS EN/EN61000-3-2	Class A				
SAFETY &		Voltage Flicker	BS EN/EN61000-3-3					
EMC		BS EN/EN55024, BS EN/EN61000-6-2						
(Note.7)		Parameter	Standard	Test Level / Note				
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact				
		Radiated	BS EN/EN61000-4-3	Level 3				
		EFT / Burst	BS EN/EN61000-4-4	Level 3				
	EMC IMMUNITY	Surge	BS EN/EN61000-6-2	2KV/Line-Line 4KV/Line-Earth				
		Conducted	BS EN/EN61000-4-6	Level 3				
			BS EN/EN61000-4-8					
		Magnetic Field	BS EIN/EIN0 1000-4-0	Level 4				
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods				
	MTBF	478K hrs min. Telcordia SR-332 (Bellco	ore); 44.8K hrs min. MIL-HDBK-217F (2	5°C)				
OTHERS	DIMENSION	375*280*88mm (L*W*H)						
	PACKING	12.5Kg						
NOTE	Ripple & noise are measure Tolerance :includes set up to Derating may be needed un SVR function is disabled dul During withstandards voltage The power supply is conside a 1100mm*650mm metal pl	y mentioned are measured at 230VAC input at 20MHz of bandwidth by using a 12" two olerance, line regulation and load regulation der low input voltages. Please check the dring PV/PC programming operation. It is and isolation resistance testing, the screw gred a component which will be installed intate with 1mm of thickness. The final equipmease refer to "EMI testing of component potenting of 3.5°C/1000m with fanless models: For detailed information, please refer to the	visted pair-wire terminated with a 0.1uf & 4. erating curve for more details. "A" shall be temporarily removed, and sha o a final equipment. All the EMC tests are nent must be re-confirmed that it still meet inver supplies." (as available on http://www.and of 5°C/1000m with fan models for op	7uf parallel capacitor. all be istalled back after the testing. been executed by mounting the unit on s EMC directives. For guidance on how to meanwell.com) erating altitude higher than 2000m(6500ft).				
	% Product Liability Disclaimer	: For detailed information, please refer to hi	ttps://www.meanwell.com/serviceDisclaimer	:aspx File Name:HEP-2300-SPEC 2022-0				

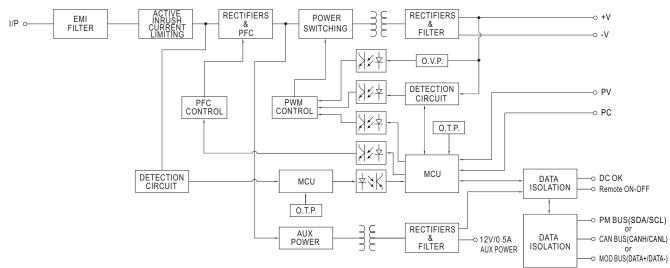


SPECIFICATION FOR CHARGER (Option function)

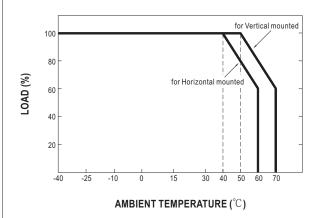
MODEL		HEP-2300-55						
	BOOST CHARGE VOLTAGE Vboost	RGE VOLTAGE Vboost 57.6V						
	FLOAT CHARGE VOLTAGE Vfloat	55.2V						
ОИТРИТ	RECOMMENDED BATTERY CAPACITY(AMP HOURS)(Note 2)	120 ~ 400AH						
	BATTERY TYPE Open & Sealed Lead Acid							
	OUTPUT CURRENT (max.)	40A	A					
	, ,	90 ~ 305VAC 250 ~ 431VDC 47 ~ 63Hz PF>0.99/115VAC, PF>0.95/230VAC, PF>0.93/277VAC at full load						
	FREQUENCY RANGE							
	POWER FACTOR (Typ.)							
INPUT	EFFICIENCY (Typ.)	95.5%						
	AC CURRENT (Typ.)	13.3A / 115VAC 11A / 230VAC 9	.3A / 277VAC					
	INRUSH CURRENT(Typ.)	Cold start 60A at 230VAC						
	LEAKAGE CURRENT	<1.8mA Peak / 240VAC <2mA Peak	/ 277VAC					
	SHORT CIRCUIT	Constant current limiting, unit will shutdow						
		60.5 ~ 69.1V	a.t.e. e eee, re perior en te receren					
PROTECTION	OVER VOLTAGE	Protection type :Shut down O/P voltage,re	e-nower on to recover					
	OVER TEMPERATURE		ecovers automatically after temperature goes	s down				
	REMOTE ON/OFF CONTROL		: Open circuit					
FUNCTION	AUXILIARY POWER	12V @ 0.5A tolerance ±10%, ripple=150m	<u>'</u>					
	DC-OK SIGNAL		5.5V ; PSU turn off = -0.5 ~ 0.5V. Please ref	er to the Function Manual				
	WORKING TEMP.	-40 ~ +70°C (Refer to "Derating Curve")	0.00 ; 1 00 tulli 0.0 0.00 1 louse for	or to the runotion manual.				
		20 ~ 95% RH non-condensing						
ENVIRONMENT								
ENVIRONMENT	TEMP. COEFFICIENT $\pm 0.03\%$ °C (0 ~ 50°C)							
	SAFETY STANDARDS	0 ~ 500Hz, 10G 12min./1cycle, period for 72min. each along X, Y, Z axes IL62368-1,TUV BS EN/EN62368-1, EAC TP TC 004 approved; design refers to BS EN/EN61558-1, BS EN/EN60335-1(by request)						
	WITHSTAND VOLTAGE	OVCIII I/P-O/P: 6KVDC I/P-FG:4KVDC O/P-FG:4KVDC						
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG.O/P-FG:100M Ohms/500VDC/25°C/ 70%RH						
	ISOLATION RESISTANCE	Parameter	Standard	Test Level / Note				
		Conducted	BS EN/EN55032 (CISPR32)	Class B				
	EMC EMISSION	Radiated	BS EN/EN55032 (CISPR32)	Class A				
0.45577/ 0	Lino Linicolon	Harmonic Current	BS EN/EN61000-3-2	Class A				
SAFETY &		Voltage Flicker	BS EN/EN61000-3-3					
EMC (Note.4)		BS EN/EN55024, BS EN/EN61000-6-2	20 214/21101000 0 0					
, ,,,		Parameter	Standard	Test Level / Note				
		ESD	BS EN/EN61000-4-2	Level 3, 8KV air ; Level 2, 4KV contact				
		Radiated	BS EN/EN61000-4-3	Level 3				
		EFT / Burst	BS EN/EN61000-4-4	Level 3				
	EMC IMMUNITY	Surge	BS EN/EN61000-6-2	2KV/Line-Line 4KV/Line-Earth				
		Conducted	BS EN/EN61000-4-6	Level 3				
		Magnetic Field	BS EN/EN61000-4-8	Level 4				
		Voltage Dips and Interruptions	BS EN/EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods >95% interruptions 250 periods				
	MTBF	478K hrs min. Telcordia SR-332 (Bellcore) ; 44.8K hrs min. MIL-HDBK-217F (25°C)						
OTHERS	DIMENSION	375*280*88mm (L*W*H)						
	PACKING	12.5Kg						
NOTE	This is Mean Well's sugges Derating may be needed ur The power supply is consid a 720mm*360mm metal plate perform these EMC tests, p The ambient temperature discounting the supplementation.	ted range. Please consult your battery mander low input voltages. Please check the ered a component which will be installed inte with 1mm of thickness. The final equipulease refer to "EMI testing of component perating of 3.5°C/1000m with fanless mode	nto a final equipment. All the EMC tests are ment must be re-confirmed that it still meets power supplies." (as available on http://www.	mum charging current limitation. be been executed by mounting the unit on the seminary semin				



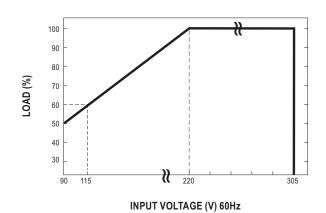




■ DERATING CURVE



■ STATIC CHARACTERISTICS



■ TABLE OF FUNCTION

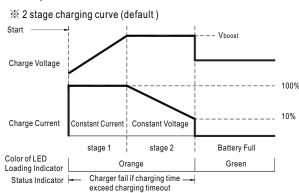
I/O TYPE	Function type	Power Supply Function		PV/PC Programmable	PMBus Protocol	CANBus Protocol		LED Indicator	Remote On/Off	DC-OK Signal	Temperature Compensation	12V/0.5A Aux. output	AC	T-Alarm OK Signal
Terminal	Blank	V(default)	V	V		V		٧	٧	٧	V	V		
type	PM	V(default)	V	V	V			V	V	V	V	V		
W::	Blank	V(default)	V	V				٧		V		V		
Wiring type	PM	V(default)	V		٧			V		٧		V		
	CAN	V(default)	V			V		٧		V		V		
	Blank	V(default)	V			V		٧	٧	V		V	٧	V
Harness connector	PM	V(default)	V		V			V	V	V		V	٧	V
	MOD	V(default)	V				V	V	V	V		V	V	V



■ FUNCTION MANUAL

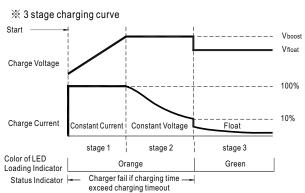
1.Charging Curve

- X By default, the HEP-2300 operates in power supply mode, and it can be configured to charger mode by PMBus, CANBus, or SBP-001.
- 💥 By factory default, this charger performs the default curve which can be programmed via PMBus and CANBus.
- ** To accommodate the parameters of the charging curve, SBP-001, the smart battery charging programmer designed by MEAN WELL, and a personal computer are needed. Please contact MEAN WELL for details.



State	HEP-2300-55
Constant Current	40A
Vboost	57.6V

© Suitable for lead-acid batteries (flooded, Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese).



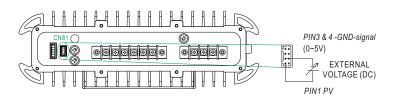
State	HEP-2300-55
Constant Current	40A
Vboost	57.6V
Vfloat	55.2V

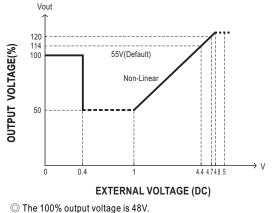
© Suitable for lead-acid batteries (flooded, Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese).

2. Front Panel LED Indicators & Corresponding Signal at Function Pins

LED	Description
Green	Float (stage 3)
Orange	Charging (stage 1 or stage 2)
Red	Abnormal status (OTP, OLP, Charging timeout.)
Red (Flashing)	The LED will flash with the red light when the internal temperature reaches 95° C; under this condition, the unit still operates normally without entering OTP. (In the meantime, an alarm signal will be sent out through the PMBus interface.)

3.Output Voltage Programming (or, PV / remote voltage programming / remote adjust / margin programming / dynamic voltage trim) ** In addition to the adjustment via the built-in potentiometer, the output voltage can be trimmed by applying EXTERNAL VOLTAGE.

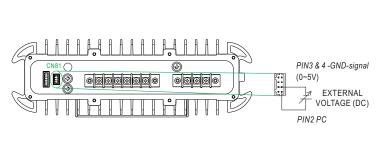


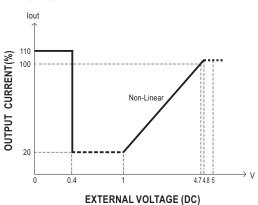


The rated current should change with the Output Voltage Programming accordingly.

2300W Switching Power Supply for Harsh Environment

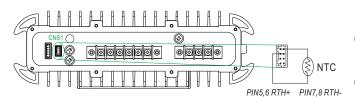
4. Output Current Programming (or, PC / remote current programming / dynamic current trim)





- The 100% output current is rated current.

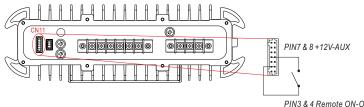
5. Temperature Compensation



- To exploit the temperature compensation function, please attach the temperature sensor, NTC, which is enclosed with the charger, to the battery or the battery's vicinity.
- The charger is able to work normally without the NTC.

6.Remote ON-OFF Control

The power supply can be turned ON/OFF individually or along with other units in parallel by using the "Remote ON-OFF" function.

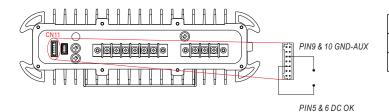


Remote ON-OFF	Power Supply Status
Short circuit	ON
Open circuit	OFF

PIN3 & 4 Remote ON-OFF

7.DC-OK Signal

DC-OK signal is a TTL level signal. The maximum source current is 10mA and the maximum external voltage is 5.5V.



DC-OK signal	Power Supply Status
"High" >4.4~5.5V	ON
"Low" <-0.5~0.5V	OFF

8. CANBus Communication Interface

HEP-2300 supports CANBus Rev. 1.1 with maximum 250KHz bus speed, allowing information reading, status monitoring, output trimming, etc. For details, please refer to the User's Manual.

9.AC FAIL SIGNAL

Dry contact output, Open: alarm; Closed: normal.

10.OTP SIGNAL

Dry contact output, Open: normal; Closed: alarm.



■ MECHANICAL SPECIFICATION Case No. 293A Unit:mm ※Blank-Type (Terminal type) 447 36 375 280 \subset (Top View) 369 130.2 142.2 96 **⊕ ⊕** 87.65 (Bottom View) 411.5

- ※ Output voltage current level can be adjusted through internal potentiometer. (Vo Adj.) (Can access by removing the rubber stopper on the case.)
- ※ PMBus interface address selection.(Address)

AC Input Terminal Pin No. Assignment

No input forminari ini			
Pin No.	Assignment		
1	FG 🖶		
2	AC/L		
3	AC/N		

DC Output Terminal Pin No. Assignment

Pin No.	Assignment
1,2,3	+V
4,5,6	-V



2300W Switching Power Supply for Harsh Environment

HEP-2300 series

 $\label{lem:control} \ref{eq:control} \ \ \hbox{$\stackrel{>}{\times}$ Control Pin No. Assignment (CN81): JST S8B-PHDKS-B or equivalent}$

1	7
2	8

Mating Housing	JST PHDR-8VS or equivalent
Terminal	JST SPHD-001T-P0.5 or equivalent

Pin No.	Function	Description
1	PV	Connection for output voltage programming.(Note)
2	PC	Connection for constant current level programming.(Note)
3,4	GND (Signal)	Negative output voltage signal.
5,6	RTH+	Temperature sensor(NTC, 5KOhm) comes along with the charger can be connected to the unit to allow temperature
7,8	RTH-	compensation of the charging voltage.

Note: Non-isolated signal, referenced to [GND(signal)].

※Control Pin No. Assignment(CN11): JST S14B-PHDKS-B or equivalent

1	13
::::	:::
2	14

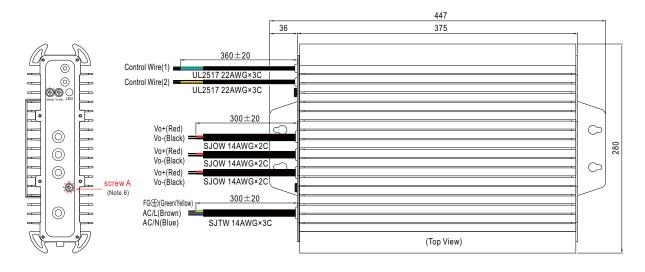
Mating Housing	JST PHDR-14VS or equivalent
Terminal	JST SPHD-001T-P0.5 or equivalent

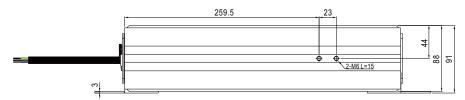
Pin No.	Function	Description	
1,2,13,14	NC		
3,4	Remote	The unit can turn the output ON/OFF by dry contact between Remote ON/OFF and +12V-AUX.(Note)	
3,4	ON-OFF	Short (10.8 ~ 13.2V): Power ON; Open(0 ~ 0.5V): Power OFF; The maximum input voltage is 13.2V	
		Low (-0.5 ~ 0.5V) : When Vout \leq 77% \pm 6% at power mode. Vout \leq 66% \pm 6% at charger mode.	
5,6	DC-OK	High (4.4 ~ 5.5V) : When Vout \ge 80% \pm 6% at power mode. Vout \ge 67% \pm 6% at charger mode.	
		The maximum sourcing current is 10mA and only for output.(Note)	
7,8	+12V-AUX	Auxiliary voltage output, 10.8~13.2V, referenced to GND-AUX (pin9 & 10).	
7,0		The maximum load current is 0.5A. This output is not controlled by "Remote ON-OFF".	
9,10	GND-AUX	Auxiliary voltage output GND.	
9,10		The signal return is isolated from the output terminals (+V & -V).	
11	SDA	For PMBus model: Serial Data used in the PMBus interface. (Note)	
11	CANH	For CANBus model: Data line used in CANBus interface. (Note)	
12	SCL	For PMBus model: Serial Clock used in the PMBus interface. (Note)	
12	CANL	For CANBus model: Data line used in CANBus interface. (Note)	

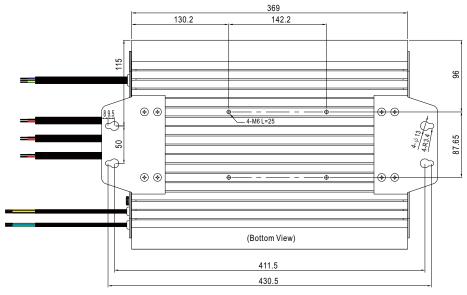
Note: Isolated signal, referenced to GND-AUX.



₩W-Type (Wiring type)







% Control Wire Assignent(1): UL2517 24AWG \times 3C for Blank

Color	Function	Description
Green	PV	Connection for output voltage programming.(Note1)
Blue	PC	Connection for constant current level programming.(Note.1)
White	GND (Signal)	Negative output voltage signal.(PV/PC GND)



2300W Switching Power Supply for Harsh Environment

HEP-2300 series

%Control Wire Assigment(1) : UL2517 24AWG \times 3C for PM/CAN

Color	Function	Description
Green	SDA	For PMBus model: Serial Data used in the PMBus interface. (Note.2)
Green	CANH	For CANBus model: Data line used in CANBus interface. (Note.2)
Blue	SCL	For PMBus model: Serial Clock used in the PMBus interface. (Note.2)
Diue	CANL	For CANBus model: Data line used in CANBus interface. (Note.2)
White	GND-AUX	Auxiliary voltage output GND.
vvnite		The signal return is isolated from the output terminals (+V & -V).

※Control Wire Assignment(2): UL2517 24AWG ×3C

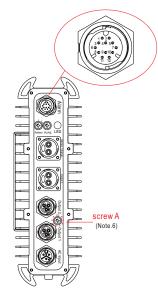
Color	Function	Description
	DC-OK	Low (0 ~ 0.5V) : When Vout \leq 77% \pm 6% at power mode. Vout \leq 66% \pm 6% at charger mode.
Brown		High (4.4 ~ 5.5V) : When Vout≧80%±6% at power mode. Vout≧67%±6% at charger mode.
		The maximum sourcing current is 10mA and only for output.(Note.2)
Yellow	+12V-AUX	Auxiliary voltage output, 10.8~13.2V, referenced to GND-AUX.
reliow		The maximum load current is 0.5A.
Black	GND-AUX	Auxiliary voltage output GND.
DIACK		The signal return is isolated from the output terminals (+V & -V).

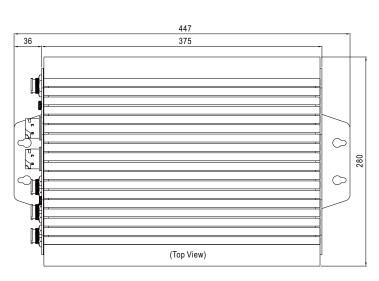
Note1: Non-isolated signal, referenced to [GND(signal)].

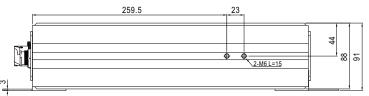
Note2: Isolated signal, referenced to GND-AUX (GND for CANBus and PMBus protocal).

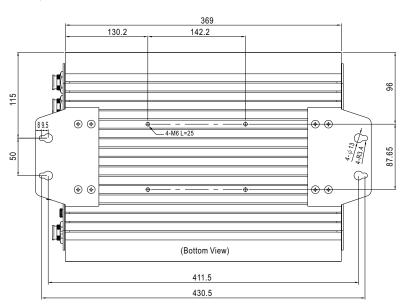


ightarrow H-Type (Harness connector type)









AC Input



Max. 20A

AC Input Pin No. Assignment: ALTW CC-03PMMS-QC800P or equivalent

Pin No.	Assignment	Mating connector
1	AC/L	00 000554 010400
2	FG 🖶	CC-03BFFA-QL8APP or equivalent
3	AC/N	or oquivalent

Output 1



Max. 20A

DC Output 1,2 Pin No. Assignment: ALTW CC-03PMFS-QC800P or equivalent

Pin No.	Assignment	Mating connector
1,3	+V	CC-03BFMA-QL8APP
2	-V	or equivalent

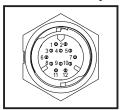
Output 3





DC Output 3, Battery Charger Pin No. Assignment: ALTW PWM-02RMFS-TS7001 or equivalent

Pin No.	Assignment	Mating connector
1	+V	PWM-02BFMB-TL7001
2	-V	or equivalent



Mating connector CD-12BFFA-QL8AP0 or equivalent

Alarm and signal

Pin No.	Function	Description	
1	DC-OK-GND	Dry contact output. Open: alarm, Closed: normal.	
2	Remote	The unit can turn the output OFF by dry contact between OFF and GND-AUX.(Note)	
	ON-OFF	Short (10.8 ~ 13.2V): Power ON; Open(0 ~ 0.5V): Power OFF; The maximum input voltage is 13.2V	
3	3 DC-OK Dry contact output. Open: alarm, Closed: normal. Relay contact rating(maximum) is 30V/1A resistive.		
4	+12V-AUX	Auxiliary voltage output, 10.8~13.2V, referenced to GND-AUX (pin9 & 10).	
4	+12V-AUX	The maximum load current is 0.5A. This output is not controlled by "Remote ON-OFF".	
5,7	GND-AUX	Auxiliary voltage output GND.	
5,7		The signal return is isolated from the output terminals (+V & -V).	
6	AC Fail-GND	Dry contact output, Open: alarm; Closed: normal.	
8	AC Fail Dry contact output, Open: alarm; Closed: normal. Relay contact rating(maximum) is 30V/1A resistive.		
9	T-Alarm-GND	Dry contact output, Open: normal; Closed: alarm. (OTP signal)	
	SDA	For PMBus model: Serial Data used in the PMBus interface. (Note)	
10	CANH	For CANBus model: Data line used in CANBus interface. (Note)	
	Data +	For RS-485 model: Data +.	
11	T-Alarm	Dry contact output, Open: normal; Closed: alarm. (OTP signal) Relay contact rating(maximum) is 30V/1A resistive.	
	SCL	For PMBus model: Serial Clock used in the PMBus interface. (Note)	
12	CANL	For CANBus model: Data line used in CANBus interface. (Note)	
	Data -	For RS-485 model: Data	

Note: Isolated signal, referenced to GND-AUX.



HEP-2300 series

■ Accessory List

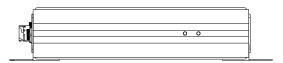
X Optional equipment

MW's Order No.	Item			Quantity	
D**1293A-FA (For housing side)	1			M6 L=16*2	1
D**1293A-FB (For pole side)	2			M6 L=16*2	1
D**1293A-FC	3			M6 L=12*4	2
D**1293A-FD	4			M6 L=25*4	1

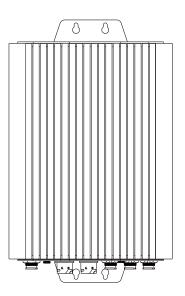


■ Mounting Methods

1.Normal Mounted (Standard type)



Horizontal mounted



Vertical mounted

2.Pole mounted with a bracket kit (Optional type)

© Rear mounted (Optional Bracket Part No:D**1293A-FC > D**1293A-FD)

