

3-Phases Input Motive Charger.....3000W

Description:

The TF4860 is an extremely compact multi-voltage of *opportunity, fast and normal* charger designed for industrial battery powered fleet applications and prepared to charge most of the motive power batteries.

It is implemented with power MOSFET (Metal Oxide Semiconductor Field-Effect Transistors) and applies Trueful's patented Series-Parallel Phase Shift topology to obtain highly efficient power conversion for a smaller carbon footprint. Thanks to the wireless communication and programmability, the optimized fleet management is definitely possible.

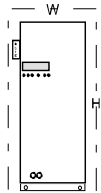


Features:

- ☆ Three phase Δ 415V input
- ☆ 24/36/48V multi voltage ranges
- ☆ Battery voltages auto detection
- ☆ Charging on battery connected
- ☆ Innovative Series-Parallel Topology
- ☆ Compact and light for wall mount
- ☆ Dust proof heat exchange design
- ☆ High efficiency power conversion
- ☆ Full protections and alarms
- ☆ Wi-Fi communication

Specifications:

Model No.		TF4860
AC input rating		
Voltage	3 Phase 3 Wire + Earth , 415 \pm 10%V	
Frequency	47Hz ~ 63Hz	
Power factor	> 0.85 @ Full Load	
Max. current	< 8A	
Max. inrush	< 25A	
DC output rating		
Voltage	20~60V	
Current	5~60A	
	Output shuts off @ its current <3A	
Max. power	3000W	
Line regulation	\pm 1.0%	
Load regulation	\pm 1.0%	
Efficiency	> 90% @full load	
System detections and protections		
AC FUSE	8A, 500Vac,time lag type	
AC UVP or OVP	Detects [340V >Vac >460V]	
OTP	Stops charging when heat sink temp. reaches 85 °C and resumes to charge when down to 45°C.	
DC OVP	Detects output voltage >105% of setting.	
DC OCP	Detects output current >110% of setting.	
Reverse protection BRP	Detects reversed polarities and disables.	
Over charge protection OPP	Detects capacity charged >120% of setting	
Battery voltage detection BVT	24V battery range: 20.0V~26.0V	
	36V battery range: 28.8V~ 38.0V	
	48V battery range: 40.0V ~52.0V	
Dynamic protection DMP	Detects abnormal dv/dt @CC mode	
	Detects abnormal di/dt @CV mode	
Cooling fan control	PWM fan speed control via enclosure temperature	
LCD display		
LCD type	STN	
Display format	16X2	
Backlight color	White(LED)	
View angle	6 O'clock	
Wi-Fi module		

Frequency range	2.4 GHz ~ 2.5 GHz (2400MHz ~ 2483.5MHz)
Wi-Fi protocols	802.11 b/g/n
Network protocols IPv4,	TCP/UDP
Environment	
Working temperature	0~ 40°C
Working humidity	20~90RH non-condensing
Storage temp. humidity	-40 ~ 85°C, 10~95RH
Physical	
Dimensions	
	390*168*140mm(H*W*D, all brackets excluded.)
	390*198*163mm(H*W*D, all brackets included.)
Weight	Packed : 490* 270 *240mm(H*W*D)
	Net:5 Kg; Gross 8: Kg



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