

VERIFICATION OF COMPLIANCE

No.: LVD GZES2305009023PV

Applicant: Shenzhen Tentek New Energy Technology Co., Ltd.
8th Floor, B-A1, New Era Gongrong Industrial Zone, #2 Shihuan Rd, Shiyuan Town, Shenzhen, China

Manufacturer: Shenzhen Tentek New Energy Technology Co., Ltd.
8th Floor, B-A1, New Era Gongrong Industrial Zone, #2 Shihuan Rd, Shiyuan Town, Shenzhen, China

Product Name: EMS Controller

Product Description: EMS Controller used in PV system

Model No.: Tribune-EMS 1.6KW, Tribune-EMS 2.4KW,
Tribune-EMS 1.6KW-pro, Tribune-EMS 2.4KW-pro

Trade Mark:

Rating: Refer to page 2

Intended Use: PV System

Protection against Electric Shock: Class I

Additional Information : IP 65
Serial Number: TJ0623G10A0322
Hardware version: V1.001
Software version: V1.001

Sufficient samples of the product have been tested and found to be in conformity with

Test Standard: EN 62109-1:2010
as shown in the

Test Report Number(s): GZES230500902301

This Verification of Compliance has been granted to the applicant based on the results of tests, performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant harmonized standards under the Low Voltage Directive 2014/35/EU. The CE marking as shown below can be affixed, under the responsibility of the manufacturer, after completion of an EC Declaration of Conformity and compliance with all relevant EC Directives. The affixing of the CE marking presumes in addition that the conditions in annexes III and IV of the Directive are fulfilled.

David Guo

Senior Technical Manager
SGS-CSTC



2023-08-11

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Other information added :

Ratings

Model or Type designation		Tribune-EMS 2.4KW	Tribune-EMS 2.4KW-pro	Tribune-EMS 1.6KW	Tribune-EMS 1.6KW-pro
MPPT Solar Charger	Max. PV Open Circuit Voltage [Vd.c.]	60			
	MPPT Operating Voltage Range [Vd.c.]	25~50			
	Max. Charging Current [Ad.c.]	67			
	Max. DC Load Current [Ad.c.]	3*20		2*20	
	Overvoltage Category (OVC)	II			
Battery	Battery Type	Sealed, AGM, Gel, Flooded, Lithium, Lithium carbonate, User-defined			
	Battery Voltage [Vd.c.]	Standard 36V		Standard 24V	
	Battery Voltage Range [Vd.c.]	12V-48V			
Energy Management	Input Power from Microinverter [kW]	2.4		1.6	
	Rated Grid / Backup Voltage [Vd.c.]	230			
	Rated Grid / Backup Frequency [Hz]	50			
	Power Factor Range	0.8cap~0.8ind			
	AC Load [kW]	2.4		1.6	
	On-grid [kW]	2.4		1.6	
	Overvoltage Category (OVC)	III			
System	Protective Class	Class I			
	Enclosure Protection (IP)	IP65			
	Ambient Temperature [°C]	-25~+65			
	Pollution degree (PD)	PD 2 (inside) PD 3 (outside)			
	Weight [kg]	4.5		4.2	
Size [mm]	232*301*90				



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