



# Complete Smart Green Power Solutions



T-power 20kVA is a portable power unit that is noise and emission free. Energy stored within the unit is converted electronically into mains power. The unit can be recharged by connecting to a mains power supply or from a generator. It is also possible to connect PV system or wind generation to charge the unit. Input and output connections can be tailored in line with customer requirements.

## Options and Accessories

A number of optional features is available, including a road-tow kit, deployable solar array support, solar charging regulator pack. Units can be customised with alternative paint colours, connection arrangements and other user specified features.

## Battery Specification

Battery type and specification are critical for reliable performance. The 4.8kW battery module is available with Li-Ion battery cell. The well-designed batteries with deep-cycle traction duty availability ideally server as heavy duty applications in the engineering industry.

**20kVA 20kWh 3-Phase**

**3Ø or 1Ø 415/240V**

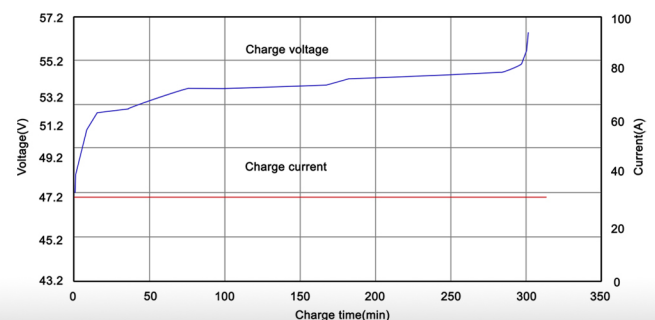
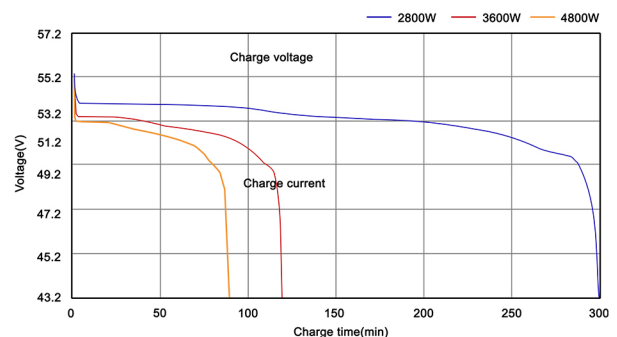


**3Ø or 1Ø 415/240V**

## Specification

- Size: 1,200(L) x 900(W) x 900(H)mm
- Mass: 350kg
- Battery Capacity: 20kWh
- 415V IEC 63A Hardwire 10mm Stud
- 20kVA 415V 50Hz 3-phase Output
- GSM Remote Monitoring
- Deep-cycle Smart Battery
- 415V/50A Passthrough Capacity
- Automatic Generator On/Off
- Remote Control and Online Real-time Monitor
- Minimum Requirement on Maintenance
- Zero Emissions and Low Noise Level

Discharge Performance @Different Discharge Power @35°C



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# T-POWER Series Industrial Products



**Load Bank**



**Energy Storage System**



**Diesel Generator**

SPECIFICATIONS			
<b>Output (415/240V 50Hz 3Ø):</b>		<b>Input:</b>	
Continuous AC (Inverter)	20kVA	AC1 Maximum Input 3Ø (DG)	63A
Inverter Peak Power (5s)	20kW	AC2 Maximum Input 3Ø (Emergency Charge)	32A
Bypass Capacity	50A	System Bypass Capacity	415V/50A
<b>Output:</b>		<b>Instruments, Controls &amp; Connections:</b>	
AC1 1*Ø 240 10A		Input Connection (AC1 & AC2)	IEC 60309 or Hardwire Stud
AC2 1*Ø 240 10A		(AC2)	3Ø 400V IEC 60309 or Hardwire Stud
AC3 3Ø 415 32A		Output Connection AC	3Ø 400V IEC 60309 or Hardwire Stud
AC4 3Ø 415 63A		Cascade Ready	✓
<b>Dimensions:</b>		Real-time System Status Control Panel	✓
Length	1200mm	Battery Condition	✓
Height	900mm	Battery Main Isolator	✓
Width	900mm	Input & Output MCB's	✓
Mass	350kg	Programmable Gen Auto-start Signal	✓
Ingress Protection Rating	IP56 Suitable for Outdoor Environment	High-capacity System Bypass	● BPS
Standard Finish	Brilliant Blue RAL 5007	Free Air-cooling Pack	● FA
Noise Level	Inaudible above Background	<b>Optional Features:</b>	
		Integrated MPPT Solar Charge Controller	● PV
STANDARD BATTERY OPTIONS			
Battery Type	LiFePO <sub>4</sub>		
Battery Design Life	3500 Cycles @85% DoD		
Nominal Battery Capacity	400Ah@0.2C, 35°C (4800Wh@0.2C, 35°C)		
Useable Stored Energy	20kWh		

