



# Complete Smart Green Power Solutions



T-power 45kVA 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 serve as heavy duty applications in the engineering industry.

**45kVA 90kWh 3-Phase**

**3Ø or 1Ø 415/240V**

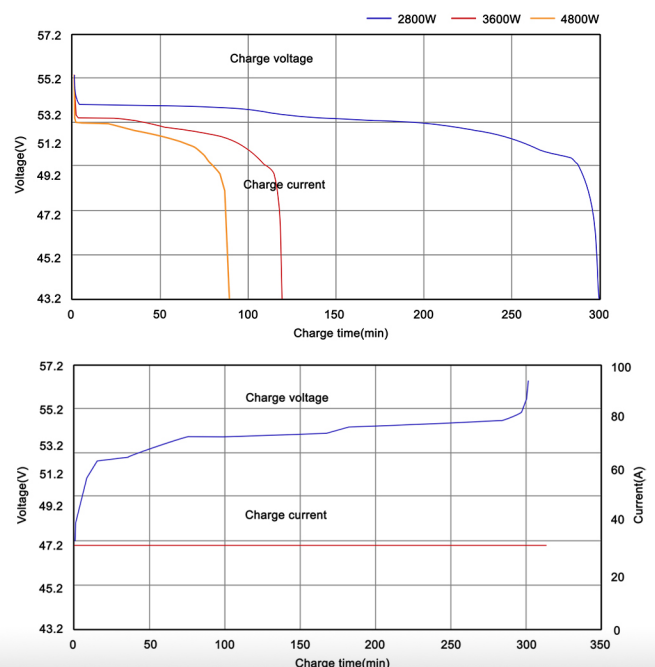


**3Ø or 1Ø 415/240V**

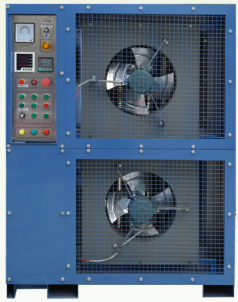
## Specification

- Size: 1700(L) x 960(W) x 1260(H)mm
- Mass: 1200kg
- Battery Capacity: 90kWh
- 415V IEC 63A Hardwire 10mm Stud
- 45kVA 415V 50Hz 3-phase Output
- GSM Remote Monitoring
- Deep-cycle Smart Battery
- 415V/100A 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



# 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)	45kVA	AC1 Maximum Input 3Ø (DG)	125A
Inverter Peak Power (5s)	45kW	AC2 Maximum Input 3Ø (Emergency Charge)	32A
Bypass Capacity	415/100A	System Bypass Capacity	415V/100A
<b>Output:</b>		<b>Instruments, Controls &amp; Connections:</b>	
AC1 1*Ø 240 20A		Input Connection (AC1 & AC2)	IEC 60309 or Hardwire Stud
AC2 1*Ø 240 10A		Cascade Ready	✓
AC3 1*Ø 240 20A		Real-time System Status Control Panel	✓
AC4 1*Ø 240 32A		Battery Condition	✓
AC5 3Ø 415 32A		Battery Main Isolator	✓
AC6 3Ø 415 63A		Input & Output MCB's	✓
<b>Dimensions:</b>		Programmable Gen Auto-start Signal	✓
Length	1700mm	High-capacity System Bypass	• BPS
Height	1260mm	Free Air-cooling Pack	• FA
Width	960mm	<b>Optional Features:</b>	
Mass	1200kg	Integrated MPPT Solar Charge Controller	• PV
Ingress Protection Rating	IP56 Suitable for Outdoor Environment		
Standard Finish	Brilliant Blue RAL 5007		
Noise Level	Inaudible above Background		
STANDARD BATTERY OPTIONS			
Battery Type	LiFePO <sub>4</sub>		
Battery Design Life	3500 Cycles @85% DoD		
Nominal Battery Capacity	1800Ah@0.2C, 35°C (4800Wh@0.2C, 35°C)		
Useable Stored Energy	90kWh		

