



# Complete Smart Green Power Solutions



**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

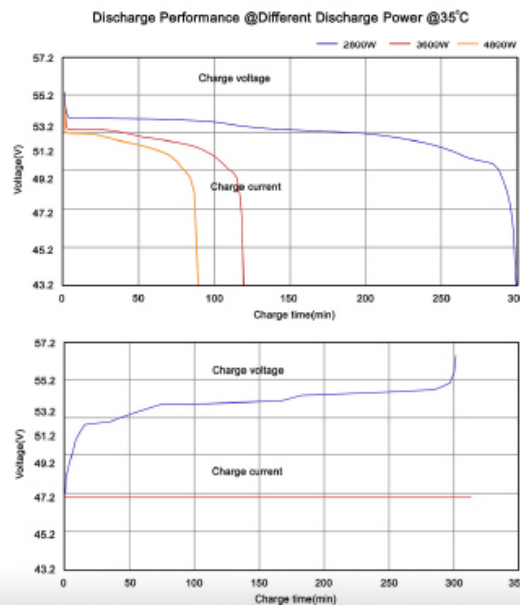
T-power 20kVA is a portable power unit that is noise and emission free. Energy stored within the unit is converted electronically into mains power. The unit can be recharged by connecting to a mains power supply or from a generator. It is also possible to connect PV system or wind generation to charge 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 serve as heavy duty applications in the engineering industry.



## 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 1Ø 240 10A		Input Connection (AC1 & AC2)	IEC 60309 or Hardwire Stud
AC2 1Ø 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		



T-POWER PTY LTD ABN: 65 651 645 948  
 Factory 1, 7 Technology Circuit, Hallam, VIC, 3803  
 Tel: 1300 772 678 Mobile: 0423 081 808  
 Email: info@t-power.com.au Website: t-power.com.au



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# Complete Smart Green Power Solutions



**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

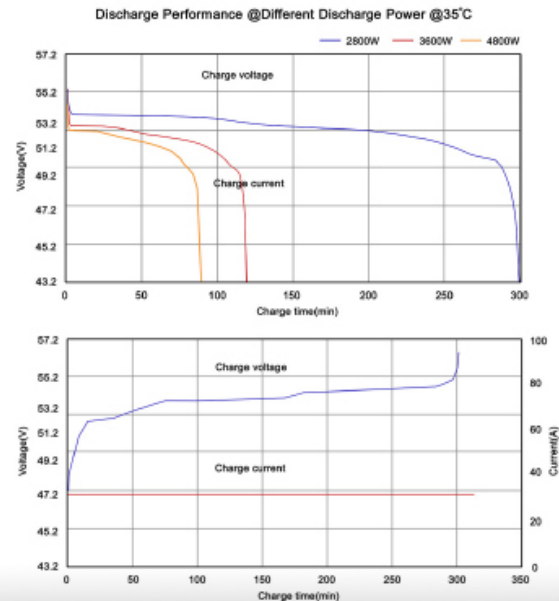
T-power 45kVA is a portable power unit that is noise and emission free. Energy stored within the unit is converted electronically into mains power. The unit can be recharged by connecting to a mains power supply or from a generator. It is also possible to connect PV system or wind generation to charge the unit. Input and output connections can be tailored in line with customer requirements.

### Options and Accessories

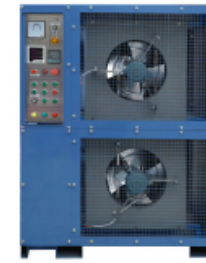
A number of optional features is available, including a road-tow kit, deployable solar array support, solar charging regulator pack. Units can be customised with alternative paint colours, connection arrangements and other user specified features.

### 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.



## 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 1Ø 240 20A		Input Connection (AC1 & AC2)	IEC 60309 or Hardwire Stud
AC2 1Ø 240 10A		Cascade Ready	✓
AC3 1Ø 240 20A		Real-time System Status Control Panel	✓
AC4 1Ø 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		



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