FUP

FUP 3P10

3-PHASE HYBRID POWER NODE

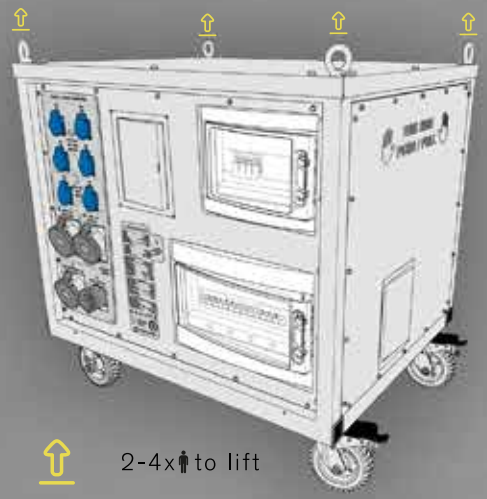
Mission-critical mobile 3 phase power for defence, emergency response & resilient infrastructure.



Datasheet tech v.0.3

KEY FEATURES (off-grid)

- **6 kW** (3x 2 kW) AC power
- **12 kW** 10s **peak** power
- **10 kWh battery** storage
- **30 kWh** battery **extention**
- **<10 ms UPS** stable power supply
- **low** IR&heat **emissions**
- **3 minutes to deploy**
- **durable** metal chassis
- **75 cm** wide - **fits standard doors**



2-4x to lift

1x to push/pull

285 Kg

100 x 96 x **75** cm

Product Name:	FUP 3P10
Model No.:	3P6kW10KWh
Protection Degree:	IP20
Protection Level:	Class I
Total System Weight:	285 kg
Operating Temp. Range:	0 - 50 °C (> 45 °C derating)

--- BATTERY SYSTEM ---

Battery Type:	LiFePO4 (LFP)
Battery Model:	P48200-7
Nominal Voltage:	48 V DC
Rated Capacity:	200 Ah / 9.6 kWh
Voltage Range:	37.5 - 54.7 V DC
Max. Charge/ /Disch. Curr.:	100 A / 100 A DC

--- INVERTER: CHARGE MODE ---

Battery Voltage Range:	48 V DC (40 V - 60 V)
Max. Charging Current:	150 A DC Max
AC Input Voltage:	3L/N/PE 220/380,230/400 V AC
AC Input Frequency:	50 / 60 Hz
AC Input Rated Current:	9.1 A AC
Max AC Input Current:	13.6 A AC
Max AC Input Power:	6600 W
Max Apparent Power:	6600 VA
Rated PV Input Voltage:	550 V (160 V - 800 V)
MPPT Voltage Range:	200 V DC - 650 V DC
PV Input Current:	13 A DC + 13 A DC
Max DC Input Power:	7800 W
Max PV Isc:	17 A DC + 17 A DC

--- INVERTER: UTILITY-INTERACTIVE ---

AC Output Voltage:	3L/N/PE 220/380,230/400 V AC
AC Output Frequency:	50 / 60 Hz
AC Output Rated Current:	9.1 A AC
Max AC Current:	13.6 A AC
Max AC Output Power:	6600 W
Rated AC Output Power:	6000 W
AC Output Power Factor:	0.8 leading to 0.8 lagging
Max AC Isc:	75 A AC
Battery Voltage Range:	40 V - 60 V DC
Max. Battery Discharging Curr:	150 A DC Max
Battery Discharge Power:	6000 W

--- INVERTER: STAND ALONE ---

AC Output Voltage:	3L/N/PE 220/380,230/400 V AC
AC Output Frequency:	50 / 60 Hz
AC Output Rated Current:	9.1 A AC
Rated AC Output Power:	6000 W
Max Continuous AC Passthrough:	45 A AC
Peak Power (off grid):	2 times of rated power, 10 s
Battery Voltage Range:	40 V - 60 V DC
Max. Battery Discharging Curr:	150 A DC

INPUTS

PV MODULES

GRID INPUT

GENERATOR

BATTERY

OUTPUTS

GRID ONLY

BACKUP