# **DC MOBILE POWERHOUSE CHARGER - ALL IN ONE** SOLUTION

## 400kw Charging power / up to 350kwh Battery Energy Storage

2 Charging connectors

#### Unleash Unlimited Power, Anywhere! The Future of Mobile Energy is Here.

Peak

shaving

Udenco PowerMobile represents a quantum leap in portable energy technology-a game-changing solution that transforms how industries manage power in the most demanding environments. Technical Breakthrough: Beyond Conventional Charging



Charging

Off-Grid High-Power



Mobile application



Power Solutions



### Key Advantages

#### **Instant Power Deployment**

- Rapidly establish high-capacity charging in remote locations
- Seamless grid support and micro-grid integration
- · Emergency response readiness in minutes

#### **Engineering Excellence**

- · Liquid-cooled battery system for high efficency
- Ultra-quiet operation at 55dB
- IP65 environmental protection rating for harge envoirments
- Robust design for a over 10 Year lifetime

#### **Versatile Application Spectrum**

- Emergency Services
- Industrial Construction Sites
- Renewable Energy Projects
- Disaster Relief Operations
- Remote Infrastructure Support









## **Technical parameters**

Feature	Specification		Feature	Specification
Charging Power	400kW		Noise Level	55dB
Battery Capacity	350kWh		Environmental Protectio	n IP65
Cooling System	Full Liquid Cooling		Charging Connectors	2x High-Power Charging
oboling System			onarging connectors	2x riight ower onarging
AC grid access				
AC AC input voltage		45-65Hz/ 3-phases+(N)+PE	z / 260Vac-530Vac	
AC max input power		70kW		
AC max output power		70kW		
Off grid support		Yes		
Grid access interface		Industrial socket-inlets		
External DC Charger charging access				
Access interface		2 CCS socket-inlets		
Access power		Max 180kW per channels, o	an charging in parallel	
Electric Vehicle charging				
EV Charging point		2 connectors		
EV Charging power		400 kW		
EV Charging power transfer		two connectors charging in	parallel with half power or in	series with full power
EV Charging voltage and Cu	irrent	150V~1000V, Max 375A		
Metering				
AC Grid side		1 AC energy meter, optiona	I MIDI AC meter	
DC output side		2 DC energy meters, option	al MIDI DC meter	
HMI		Tempered glass protective	10" capacitive Touch Screen	LCD®RGB panel LED®E-STOP Batt alarm
		light and beeper		
Payment		RFID, Optional Credit Card I	Reader installation	
Monitor		OCPP 1.6J, support update	to 2.0, P&C, smart charge ar	d power management support , LAN 100M and
Noise		LI E wireless modem suppo	ort	
Charging and Billing Modes		Auto full charge Charge tin	ne Amount Charge energy (	harge end SOC
Charging and Dining Modes	ration	2 * CCS or CCS + NACS	ie, Amount, ondige energy, e	
Dimension		W * H * D mm = 2800 * 220	0 * 1400 mm	
Weight:		< 7000 kg		
Weight.		, coo ng		
<b>-</b>				
Max 12 power module		rter /0kW/1kV/ MDDT suppo	ort Max 4 modules i	a parallel to support 160kW Solar power input
slots for the configuration	Bidirectional A	AC2DC inverter. 35kW/1kV	Max 4 modules Max 12 modules	in parallel to support 420kW Grid power
siots for the configuration				
2 * 175kWH Liquid Cooled Battery Back				
Energy Storage Battery	Two groups 175kWh/285Ah liquid cooled battery rack. Bat volt: 537.6~691.2VDC, 1 P/C dis/charge, max 1.1P/C discharge 10 min			
Battery BMS	Level BMS structure: Battery Pack BSU + High voltage control box BMU			
Thermal Management	Two liquid chilling unit with 20kW refrigerating and 2.5kW heating capacity each			
Fire suppression system	Complete aerosol fire extinguishing system, water fire interface, emergency fan			
Safety Design	Explosion-proof board configuration and fire-proof spread structure design			
Salety Design				
Environment Sensor	water sensor + Temperature sensor + Humidity sensor + Door access sensor + Smoke detector + Variety of combustible gas detector			
Protection Class	IP67 Battery pack, IP55 Battery cabinet area			

2 \* 200kW

\*The images, technical details, and specifications provided in this flyer are for informational purposes only and are subject to change with prior notice.



**Discharging Power**