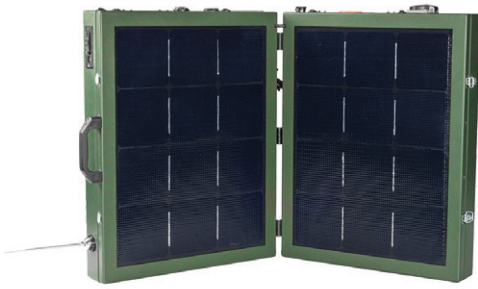




SOLAR INTEGRATED PORTABLE POWER BOX

 | CWD-TGK-438WH-90WP



The Solar Integrated Power Box provides the energy you need to charge your devices wherever you are and keep your devices running in critical situations, using Lithium Iron Phosphate technology. CW DEFENCE Solar Integrated Power Box, which provides maximum light absorption thanks to the prism surface of the solar panel and can be charged off-grid with its flexible and durable cell architecture, continues to fulfill its duty without any noise, smoke and harmful greenhouse gas emissions. In addition, thanks to the inverter in the power box, 220V output can be obtained, while usb, lighter outputs and led lighting provide functionality to the product. In this way, the power box, which appeals to many devices, is the solution needed in emergencies.



High Performance

Great performance based on the latest generation of LiFePO4 technology



Prism Surface

Maximum light absorption through prism surface



Smart Management System

Effective usage as well as with actively balancing BMS technology



Excellent Light Transmit with ETFE

Higher light transmittance, corrosion resistance, operating temperature range



Long Lifespan

Long lifespan up to 5000 cycles



IBC Cell Technology

Flexible, durable and high efficient cell with back contact connection



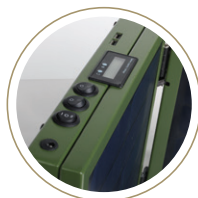
Durable Metal Case

Aesthetic, compact and durable metal cabinet design



Temperature Resistant

Temperature sensor and heat resistant casing



Compact Design



Quick Charging Technology



LED Lighting

SOLAR INTEGRATED PORTABLE POWER BOX

TECHNICAL SPECIFICATIONS

VOLTAGE - CAPACITY	CWD-TGK-438WH-90WP
Capacity	438Wh (14.6V-30Ah)
Maximum Solar Power (Pmax)	90
Maximum Power Voltage (Vmp)[V]	15.3
Maximum Power Current (Imp)[A]	5.84
Rated Output Power [W]	220
Maximum Output Power [W]	438
AC Output	1000W 220V-50HZ
Output Ports	USB-A (x2) / Type-C
USB-A Output	QC 3.0 Quik Charge 5V-9V-12V
DC Output [V]	12
Lighter Output [V]	12
Led Power [W]	3
CYCLE SPECIFICATIONS (at 25°C)	
Battery Chemistry	LFP 32700 Cylindrical
100% D.O.D	2000 Cycles
50% D.O.D	3400 Cycles
30% D.O.D	4800 Cycles
Safety Standards	IEC61960 / 62133-2 - MSDS
Panel Connection	SMC4-MC4 Connector
Battery Connection	IP67 Connector
Charge Temperature	0 - +60
Discharge Temperature	-20 - +60
Storage Temperature	0 - +35
Humidity (Non-Condensing)	Maximum 95%
Weight	14
Dimensions (mm)	166x589x460
Casing Material	Metal Case

PHYSICAL CHARACTERISTICS



* CW DEFENCE reserves the right to change the specifications of the products without prior notice.
 * The charge, discharge, capacity, and cycle values stated above are valid at 25 °C and non-condensing environment.
 * CW DEFENCE products are project based products. Changes can be made upon your needs.