

LONGI

# LONGI BLOCK

## Your Mobile Green Power Station

LONGI BLOCK is an All-In-One containerized solar solution for temporary and off-grid power needs. It integrates high-efficiency Hi-MO X10 panels, foldable mounting structures, and inverter into a standard shipping container. This system delivers high-density green power with fast deployment and lower operating costs. Built for reliable performance, it supports continuous power supply to remote mines, islands, disaster recovery sites, and other off-grid locations.



PLUG &  
PLAY



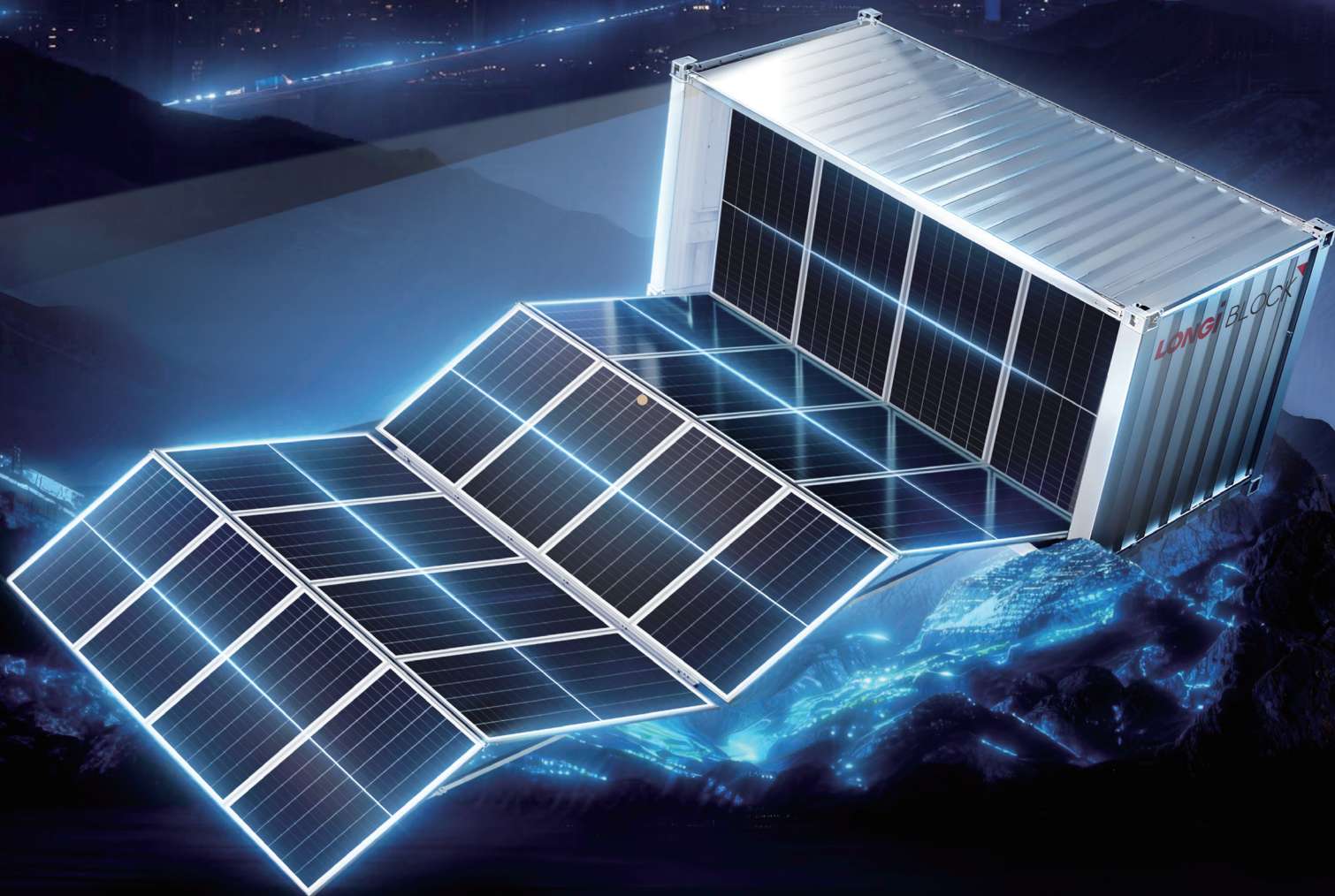
LOWER  
OPEX



HIGH POWER  
DENSITY



MOBILE  
SOLUTION

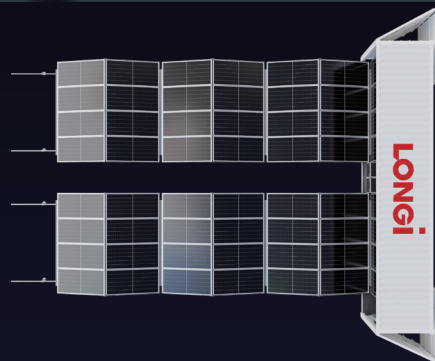
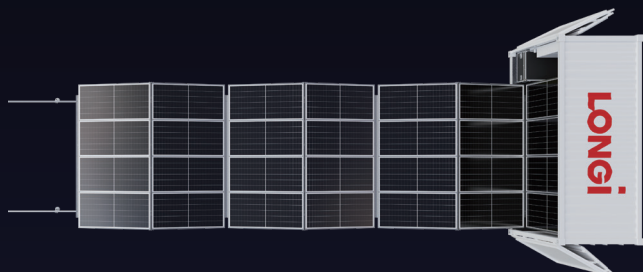


20HQP Deploy Time: 3 hours | Stow Time: 3 hours | Crew Size: 6 Personnels

40HQP Deploy Time: 4 hours | Stow Time: 5 hours | Crew Size: 6 Personnels

## | System Parameters |

	20HC	40HQP
Container External Dimensions	6058mm*2438mm* 2896mm	12192mm*2438mm* 3100mm
Protection Rating	Module IP68 , Inverter IP66, Container IP54	Module IP68 , Inverter IP66, Container IP54
Deployed Dimensions	116.3m*4.786m	116.3m*4.786m*2
Total Weight	14tons	28.8tons
Installed Capacity	119.6kW	239.2kW



Single Bracket Dimensions	4726mm*2452mm	Tilt Angle	15°
Bracket Configuration	4*46(20HC)	Total Rail Length	116.3m

## | Inverter Paramter Reference (Customer-specified) |

Rated Power	100kW (20HC) /100kW*2(40HQP)	Rated output current	152A
Rated output voltage	380V AC	Number of MPPT	10
Conversion Efficiency	98.4%	Number of input channels	20
Input Voltage	200V~1000V DC	Frequency	50Hz

## | DC Side - PV Module |

Powerbin	650Wp
Weight	28.5kg
Dimensions	2382*1134*30mm

Type	LR7-72HVH-650M	
Testing Condition	STC	NOCT
Maximum Power (Pmax/W)	650	495
Open Circuit Voltage (Voc/V)	53.90	51.23
Short Circuit Current (Isc/A)	15.29	12.28
Voltage at Maximum Power (Vmp/V)	44.56	42.35
Current at Maximum Power (Imp/A)	14.59	11.69
Module Efficiency(%)	24.1	

STC: AM1.5 1000W/m2 25°C NOCT: AM1.5 800W/m2 20°C 1m/s  
Test uncertainty for Pmax: ±3%

## | LONGi BLOCK Estimated LCOE in Key Markets |



Regions	First-Year Power Generation (kWh/kW)	LCOE (US cent /kWh)
UAE	1,740	2.41
Saudi Arabia	1,802	2.53
Morocco	1,698	2.69
Tunisia	1,409	3.24
Iraq	1,576	2.89
DRC	1,680	2.50
Namibia	1,854	2.27
Zambia	1,765	2.58
South Africa	1,724	2.65
Poland	888	5.14
Ukraine	970	4.70