

# DL5.0C

DL5.0C is designed for residential and small commercial applications, with up to 50 units in parallel and an energy range from 5.12 kWh to 256 kWh. It supports 1C discharge rate. With high cycle times and a long lifespan, it ensures worry-free electricity consumption.



### Flexible Expansion

Up to 50 units in parallel, 5.12kWh--256kWh capacity



### 1C Discharge

Simultaneously supplying power to multiple loads, no need to worry about power outages



### Automatic Self-heating

-20°C to 55°C operating temperature (optional)



### Easy Installation

Support wall-mounted, floor-mounted, stacked and rack-mounted installations, high space utilization



### Long-term Reliability

LFP cells, 6000+ cycles, 10 years warranty



### All-round Safety

Short-circuit lockout, surge-resistant, safe and reliable

Model	DL5.0C
Battery Type	LiFePO <sub>4</sub>
Nominal Battery Energy	5.12 kWh
Nomina Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge Crate	1C
Recommended Charge/Discharge Current	50A
Max. Charge/Discharge Current	Charge 75A Discharge 100A
Peak Discharge Current	110A(15s)
Depth of Discharge (DOD)	90%
Net Weight	54kg
Dimension[W/D/H](mm)	558/545/150
Charging Temp. Range	0~55°C/-20~55°C (with heating function)
Discharging Temp. Range	-20~55°C
Communication	CAN/RS485/RS232
Cycle Life *	≥6000 Cycles
Protection Level	IP20
WIFI Module	Optional
Expansion	Up to 50 units in parallel
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021/GOST-R
Compatible Inverterst	SMA/Schneider/Victron energy/Ingeteam/Solis/GoodWe/Growatt/Soplanet/Luxpower/DEYE etc.

\* Test conditions: 0.2C Charging & Discharging. @25°C, 90% DOD

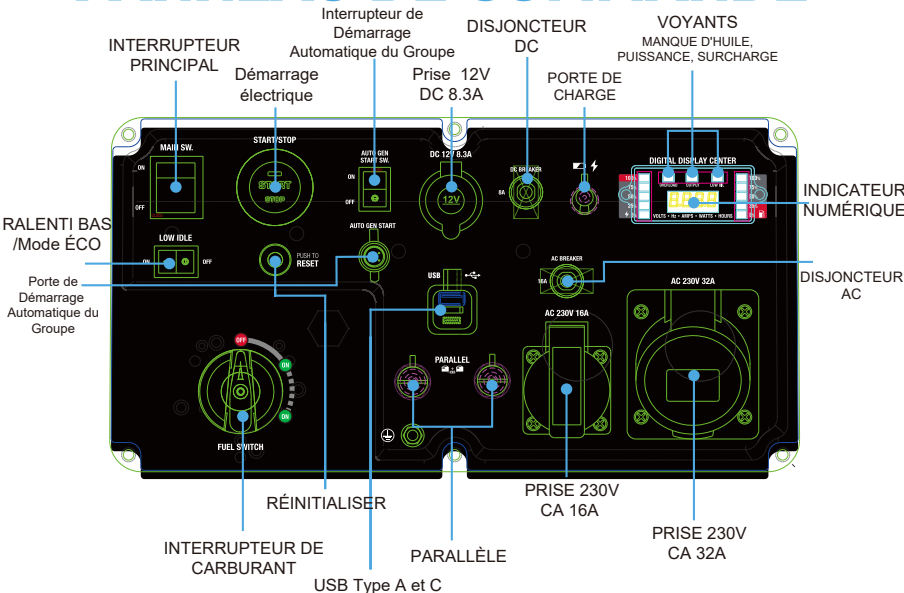


### CARACTÉRISTIQUES

- **Puissance Dynamique et Durable:** 6500 W de watts de démarrage, 6200 W de watts de fonctionnement.
- **Léger:** Avec un poids de seulement 52 kg, des poignées pliables et des roues, il est facile à transporter et à ranger.
- **Mode ÉCO:** efficacité énergétique et réduction du bruit.
- **Technologie Inverter:** produisant une onde sinusoïdale pure, il produit une énergie propre avec un THD de 3%, ce qui le rend assez sûr pour faire fonctionner et charger les ordinateurs portables, les téléphones mobiles, les tablettes et autres appareils électroniques sensibles.
- **Bruit faible:** lorsque le groupe électrogène est en mode ECO à 25 % de charge et est à 7 m du générateur, le niveau de bruit est de 65 décibels.
- **Capacité en parallèle:** doublez votre puissance de sortie avec la capacité en parallèle.
- **Protection de sécurité:** doté d'une protection automatique contre le manque d'huile et la surcharge.protection.



### PANNEAU DE COMMANDE



### CONTENU DE L'EMBALLAGE

- 1 x Groupe électrogène inverter
- 1 x Manuel du propriétaire
- 1 x Clé pour douille de bougie
- 1 x Entonnoir à huile
- 1 x Câbles parallèles de générateur
- 1 x Fiche UE(32A)
- 1 x Couverture anti-poussière de générateur
- 1 x Fiche UE(16A)
- 1 x Tournevis
- 1 x Fiche d'allumage pour cigarette

### CERTIFICATIONS

- Certification CE / TÜV
- Certifié ISO 9001:2015
- Conformité EURO V

### SPECIFICATIONS

Modèle	ULT-6500-EU	Système de démarrage	Démarrage à manivelle / Démarrage électrique
Watts de fonctionnement	6200W	Niveau de volume (25% de charge/23 pieds)	65dB
Watts de démarrage	6500W	Longueur(cm)	61.5
Type de carburant	Essence	Largeur(cm)	48.5
Fréquence nominale	50hz	Hauteur(cm)	55
Courant nominal	16.96A	Longueur du carton (cm)	78
cylindrée moteur	312cc	Largeur du carton (cm)	57.5
Type de moteur	OHV	Hauteur du carton (cm)	70
Huile recommandée	SAE 10W-30	Poids unitaire (kg)	52
Capacité d'huile	0.8L	Poids d'expédition (kg)	58
Capacité du réservoir de carburant	12.5L		



# TIGER Neo

## 48HL4M-DB

### 450-475 Watt

ALL BLACK MONO-FACIAL MODULE WITH DUAL GLASS

### N-type



### N-type Technology

N-type modules with Tunnel Oxide Passivating Contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.



### HOT 3.0 Technology

N-type modules with JinkoSolar's HOT 3.0 technology offer better reliability and efficiency.



### Durability Against Extreme Environment

High salt mist and ammonia resistance.



### Mechanical Load Enhanced

Certified to withstand:  
6000 Pa front side max static test load  
4000 Pa rear side max static test load



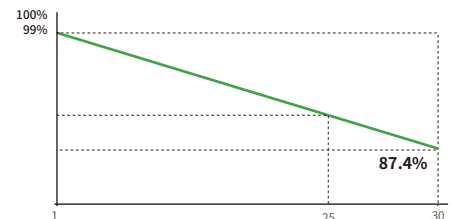
### SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



### Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.



<b>25</b> Year Product Warranty	<b>30</b> Year Linear Power Warranty	<b>1</b> % First-year Degradation	<b>0.40</b> % Annual Degradation Over 30 Years
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- IEC61215:2021 / IEC61730:2023
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



**JKM450-475N-48HL4M-DB-Z2-EN**

# 48HL4M-DB 450-475 Watt

## Mechanical Characteristics

Cell Type	N- type Mono-crystalline
No. of cells	96 (48×2)
Dimensions	1762×1134×30 mm
Weight	24.0 kg
Front Glass	2.0 mm, Anti-reflection Coating
Back Glass	2.0 mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection Class	Class II
IEC Fire Type	Class C
Connector Type	JK03M/JK03M2/Others*
Output Cables (Including Connector)	4.0 mm <sup>2</sup> (+): 400 mm , (-): 200 mm or Customized Length

\* MC4 and MC4-EVO2 available upon request and subject to availability

## Packaging Configuration

Pallet Dimensions	1792×1140×1249 mm
Packing Detail (Two pallets = One stack)	37 pcs/pallets, 74 pcs/stack, 962 pcs/ 40'HQ Container

## Specifications (STC)

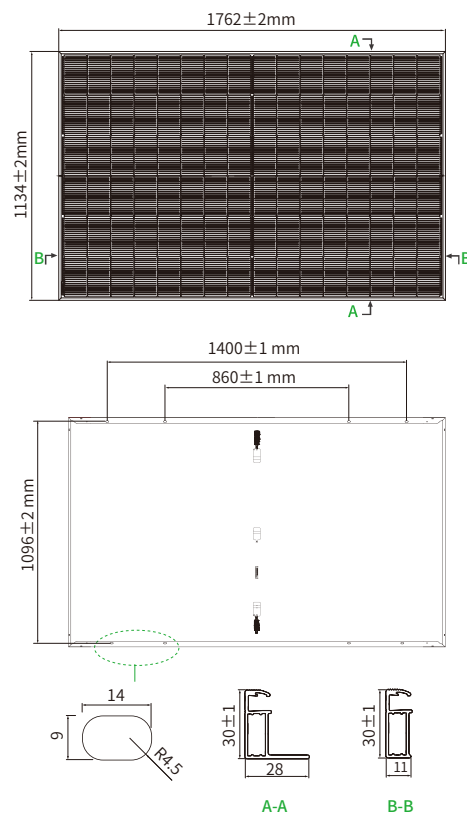
Maximum Power - P <sub>max</sub> [Wp]	450	455	460	465	470	475
Maximum Power Voltage - V <sub>mp</sub> [V]	30.25	30.48	30.71	30.94	31.17	31.40
Maximum Power Current - I <sub>mp</sub> [A]	14.88	14.93	14.98	15.03	15.08	15.13
Open-circuit Voltage - V <sub>oc</sub> [V]	36.06	36.23	36.40	36.57	36.74	36.91
Short-circuit Current - I <sub>sc</sub> [A]	15.66	15.71	15.76	15.81	15.86	15.91
Module Efficiency STC [%]	22.52	22.77	23.02	23.27	23.52	23.77
Power Tolerance	0 ~ +3 %					
Temperature Coefficient of P <sub>max</sub>	-0.29 %/°C					
Temperature Coefficient of V <sub>oc</sub>	-0.25 %/°C					
Temperature Coefficient of I <sub>sc</sub>	0.045 %/°C					

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Application Conditions

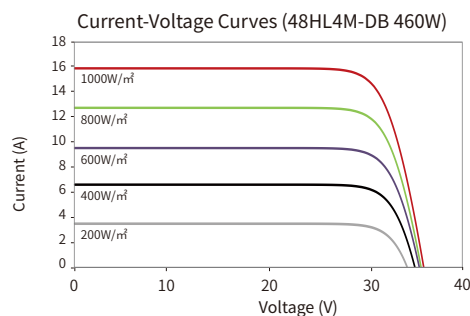
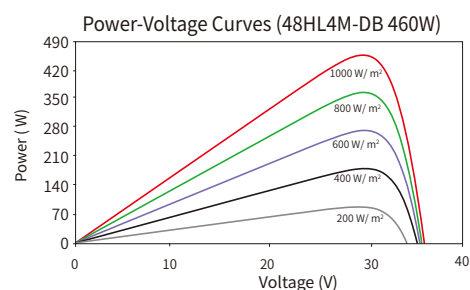
Operating Temperature	-40 °C ~ +70 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A

## Engineering Drawings



\*Note: For specific dimensions and tolerance ranges, please refer to the corresponding detailed module drawings.

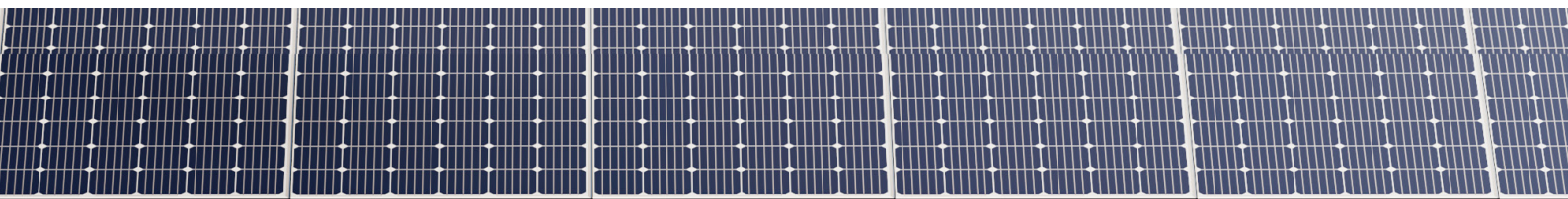
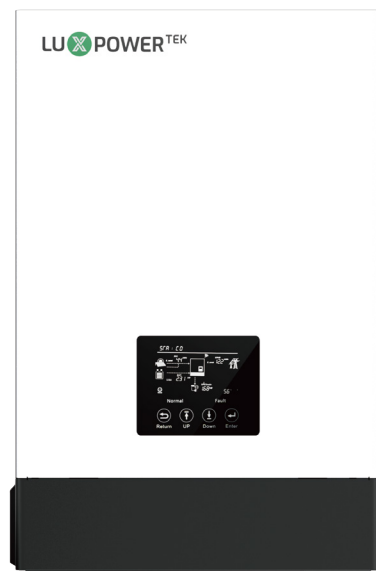
## Electrical Performance



FUORI RETE

## SNA 3-6K (Monofase)

- Commutazione senza interruzioni off-grid
- 2 MPPT, Max. potenza di ingresso PV: 9,6 kW
- Ampio intervallo di tensione in ingresso PV: 100~500V
- Supporta fino a 18 unità in parallelo
- Corrente massima di carica e scarica: 140A
- Porta dedicata: Supporta generatore, accoppiamento AC o gestione intelligente del carico per una maggiore stabilità
- Monitoraggio in tempo reale 24/7 tramite l'app LUX con aggiornamenti senza preoccupazioni



Modello	SNA 3K	SNA 4K	SNA 5K	SNA 6K
<b>Ingresso (PV DC)</b>				
Potenza massima di ingresso PV (W)	6000 (3000/3000)	8000 (4000/4000)	8000 (4000/4000)	9600 (4800/4800)
Tensione nominale di ingresso PV (V)	320			
Numero di ingressi MPPT indipendenti	2 / (1:1)			
Tensione massima di ingresso PV (V)	500			
Intervallo di tensione MPPT (V)	120 ~ 385			
Tensione di avvio (V)	100			
Corrente massima di ingresso PV per MPPT (A)	17 / 17			
Corrente massima di cortocircuito di ingresso PV per MPPT (A)	25 / 25			
<b>Batteria</b>				
Tipo di batteria compatibile	Litio-Ione / PbAcido			
Tensione nominale della batteria (V)	48			
Intervallo di tensione della batteria (V)	38.4 ~ 60			
Corrente massima di carica / scarica (A)	70/70	90/90	110/110	140/140
Potenza massima di carica / scarica (W)	3000	4000	5000	6000
Funzione di risveglio forzato della batteria da PV	Sì			
Funzione di risveglio forzato della batteria da rete	Sì			
<b>Rete</b>				
Tensione nominale AC (V)	230			
Frequenza nominale AC (Hz)	50 / 60			
Corrente nominale di uscita AC (A)	13.5	17.5	22	26.5
Potenza nominale di uscita AC (W)	3000	4000	5000	6000
Potenza massima di ingresso AC (W)	8000			9000
Fattore di potenza (FP)	0.99			
Distorsione armonica totale (THDI)	< 5%			
Corrente continua massima di passaggio AC (A)	35			40
<b>Generatore (GEN)</b>				
Tensione nominale generatore (V)	220 / 230 / 240			
Frequenza nominale generatore (Hz)	50 / 60			
Corrente nominale di ingresso generatore (A)	32			
Potenza nominale di ingresso generatore (W)	7370			
<b>UPS</b>				
Potenza di uscita nominale (W)	3000	4000	5000	6000
Tensione di uscita nominale (V)	230			
Corrente di uscita nominale (A)	13.5	17.5	22	26.5
Frequenza di uscita nominale (Hz)	50 / 60			
Potenza di sovratensione, durata	2 × potenza nominale per 5s			
Tempo di commutazione	<10ms in modalità singola / <20ms in modalità parallela			
Forma d'onda	Onda sinusoidale			
THDV	3%			
<b>Efficienza</b>				
Massima efficienza MPPT	99.9%			
Efficienza UE	94.7%			
Massima efficienza	93.0%			
Efficienza massima di carica / scarica	93.0%			
<b>Protezione</b>				
Protezione contro sovracorrente / sovratensione	Sì			
Protezione contro cortocircuito AC	Sì			
Monitoraggio della rete	Sì			
Protezione contro sovratensione AC	Tipo III			
Protezione contro inversione di polarità della batteria	Sì			
<b>Generale</b>				
Dimensioni (L × A × P)	330 × 505 × 135 mm / 13 × 19.9 × 5.3 in			
Peso	14.5 kg / 32 lbs			
Classe di protezione	IP20			
Intervallo di temperatura ambiente di funzionamento (°C)	0 ~ 50			
Intervallo di temperatura di stoccaggio (°C)	-15 ~ 60			
Umidità relativa	5 ~ 95%			
Display & Interfaccia di comunicazione	LCD + LED, RS485 / Wi-Fi / CAN			
Garanzia	2 anni			
Metodo di raffreddamento	Raffreddamento intelligente			
Topologia	Senza trasformatore			
Altitudine massima di funzionamento (m)	2000			
Emissione acustica (dB)	50			
<b>Norme e certificazioni</b>				
IEC 62109-1/2, IEC 61683, EN 61000, MEA, PEA				