

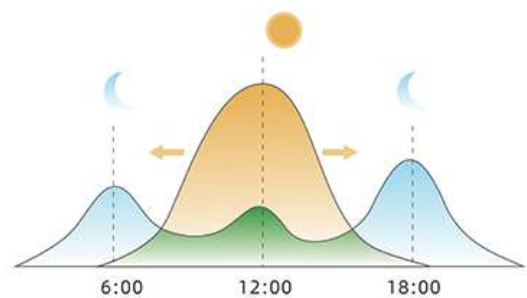



D.T. MULTI TECH.




Key characteristic

- Ultra-wide LCD screen for easy monitoring.
- Manage battery & set preferences via app (iOS/Android).
- Modular design for easy service & repair.
- DSP control for peak performance & safety (over-voltage current, temperature).
- Automated assembly ensures quality & reduces cost.
- Intelligent temperature control for extended battery life.
- Multiple dustproof design keeps the battery clean.
- Easy plug-and-play installation
- Certification: un38.3



 Consumption of stored energy

 Solar energy production

 Consumption of solar energy

low Voltage

Stackable Energy Storage Battery System

Modular Design

● OEM Brand ● Design Type ● 5-10 Years warranty





D.T. MULTI TECH.

LV BATTERY SYSTEM

5.12Kwh
To
25.6Kwh

LIFEPO4 BATTERY

CERTIFIED
CE ROHS
UN38.3





D.T. MULTI TECH.



Low Voltage

Lifepo4 Battery

5.12-25.6KWH



D.T. MULTI TECH.

Easy Installation

Simple installation,
saving time and cost



+



Low Voltage LiFePO4 Battery

- Ultra-wide LCD Screen
Easy monitoring.
- App Control:
Manage battery and set preferences via iOS/Android apps.
- Modular Design:
Simplifies service and repair.
- DSP Control:
Ensures peak performance and safety (over-voltage, current, temperature).
- Automated Assembly:
Ensures quality and reduces cost.
Intelligent Temperature Control:
Extends battery life.
- Multiple Dustproof Design:
Keeps the battery clean.
- Plug-and-Play Installation:
Easy and quick setup.
- Certification:
Compliant with UN38.3.

Power your home 24/7
Enjoy green energy



INVERTER



**BATTERY
MODULE**



BOTTOM



Solar System Connection

Daytime



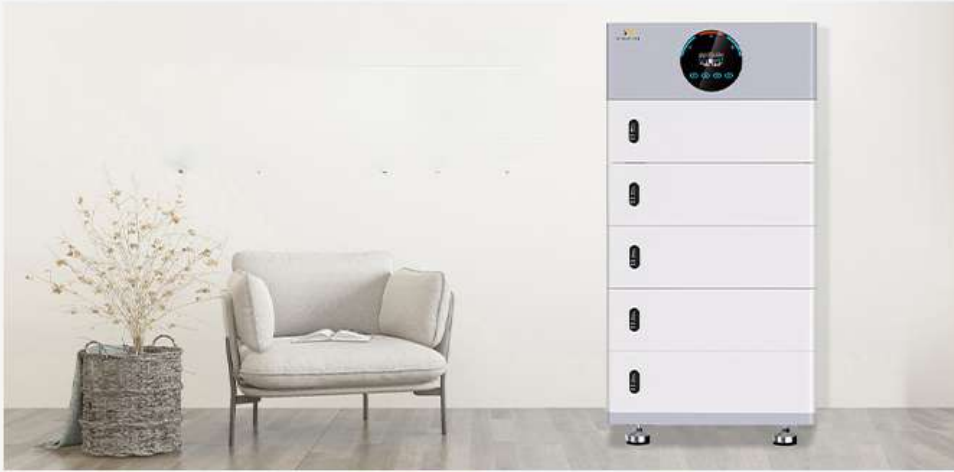
Evening



LiFePO₄ Battery Energy Storage System Batteries



APPLICATION DEMONSTRATION



DT-51.2-100-SD Home Stacked Energy Storage System

- Home backup battery
- Safe and reliable
- Liquid Crystal Display
- Flexible capacity increase/decrease
- powerwall
- Integrated Inverter
- Intelligent BMS
- Stacked Design



- 1 Battery 5kWh
- 2 Batteries 10kWh
- 3 Batteries 15kWh
- 4 Batteries 20kWh
- 5 Batteries 25kWh

Product Specifications

Off-grid Inverter-3kw



Item		General Parameter
Battery	No.	DT-51.2-50-SD
	Expandable	2.5kWh+Expandable
	Lithium battery specifications	50AH/51.2V
	Battery Energy	2.56kWh
	Maximum charging current (A)	50A
MPPT input	Maximum DC voltage(V)	4kw
	Maximum allowed access string power (w)	500V
	MPPT voltage range(V)	85V-450Vdc
	Rated voltage(V)	380vdc
	Starting voltage(V)	85vdc
	Maximum DC current	15A
	Number of MPPT routes	1
Power grid input	Number of MPPT strings per channel	1
	Maximum input power(W)	4kW
	Maximum input current	18A
	Rated input voltage(V)	220/230/240Vac(Optional)
	Rated input frequency(Hz)	50/60Hz(Optional)
	THDi	<3%(Linear load)
Inverter output	Power factor	1
	Maximum output power	3kW
	Rated frequency	50/60Hz(optional)
	Frequency accuracy	±2%
	Voltage level	220/230/240Vac(Optional)
	Maximum output current	13.7A
	Stable voltage accuracy	±1%
	Voltage harmonics (full load)	THDV<3% (linear load)
Protection	Overload capacity	105%<Load rates≤150% Alarm and shutdown after 10 seconds Load rate≥150%, Alarm and shutdown after 5.5 seconds
	(100%R+50%CHG)Maximum efficiency on grid	95%
	Maximum efficiency of battery inverter	93%
	Overvoltage and undervoltage protection	Have
	Output overcurrent protection	Have
	Output short circuit	Have
General parameters	Over temperature protection	Have
	Dimensions (length * width * height)(MM)	525*430*433.5mm(One) 525*430*589mm(Two)
	Weight	50/79KG
	Environmental temperature range	-10~55°C(>40°Load shedding or derating)
	Relative humidity	5%~95%
	Maxi working altitude	>2000m derate
	IP Rate	IP20
	Stand-by power consumption	<100w
	Cooling-down method	Forced air cooling
	Noise index	<60dB
	Display mode	LCD /APP
Number of parallel machines	The all-in-one machine cannot be parallelized/the maximum number of parallel batteries is less than 5 units	

Off-grid Inverter-5kw



Item		General Parameter
Battery	No.	DT-51.2-100-SD
	Expandable	5kWh+Expandable
	Lithium battery specifications	100AH/51.2V
	Battery Energy	5.12KWh
	Maximum charging current (A)	100A
MPPT input	Maximum DC voltage(V)	6kw
	Maximum allowed access string power (W)	500V
	MPPT voltage range(V)	85V-450Vdc
	Rated voltage(V)	380vdc
	Starting voltage(V)	85vdc
	Maximum DC current	27/13A
	Number of MPPT routes	2
Power grid input	Number of MPPT strings per channel	2/1
	Maximum input power(W)	8kW
	Maximum input current	37A
	Rated input voltage(V)	220/230/240Vac(Optional)
	Rated input frequency(Hz)	50/60Hz(Optional)
Inverter output	THDi	<3%(Linear load)
	Power factor	1
	Maximum output power	5kW
	Rated frequency	50/60Hz(optional)
	Frequency accuracy	±2%
	Voltage level	220/230/240Vac(Optional)
	Maximum output current	23A
	Stable voltage accuracy	±1%
	Voltage harmonics (full load)	THDV<3% (linear load)
	Overload capacity	105%<Load rates≤150% Alarm and shutdown after 10 seconds Load rate≥150%, Alarm and shutdown after 5.5 seconds
Protection	(100%R+50%CHG)Maximum efficiency on grid	95%
	Maximum efficiency of battery inverter	93%
	Overvoltage and undervoltage protection	Have
	Output overcurrent protection	Have
	Output short circuit	Have
	Over temperature protection	Have
General parameters	Dimensions (length * width * height)(MM)	650*500*433.5mm(One) 650*500*589mm(Two)
	Weight	78/127KG
	Environmental temperature range	-10~55°C(>40°Load shedding or derating)
	Relative humidity	5%~95%
	Maxi working altitude	>2000m derate
	IP Rate	IP20
	Stand-by power consumption	<100w
	Cooling-down method	Forced air cooling
	Noise index	<60dB
	Display mode	LCD /APP
Number of parallel machines	The all-in-one machine cannot be parallelized/the maximum number of parallel batteries is less than 5 units	

Off-grid Inverter-10kw



Item		General Parameter
Battery	No.	DT-51.2-200-SD
	Expandable	10kWh+Expandable
	Lithium battery specifications	200AH/51.2V
	Battery Energy	10.24kwh(5.12*2 units)
	Maximum charging current (A)	100A
MPPT input	Maximum DC voltage(V)	11KW
	Maximum allowed access string power (W)	500V
	MPPT voltage range(V)	85V-450Vdc
	Rated voltage(V)	380vdc
	Starting voltage(V)	85vdc
	Maximum DC current	27/13A
	Number of MPPT routes	2
	Number of MPPT strings per channel	1
Power grid input	Maximum input power(W)	12kW
	Maximum input current	55A
	Rated input voltage(V)	220/230/240Vac(Optional)
	Rated input frequency(Hz)	50/60Hz(Optional)
	THDi	<3%(Linear load)
Inverter output	Power factor	1
	Maximum output power	10kW
	Rated frequency	50/60Hz(optional)
	Frequency accuracy	±2%
	Voltage level	220/230/240Vac(Optional)
	Maximum output current	45A
	Stable voltage accuracy	±1%
	Voltage harmonics (full load)	THDV<3% (linear load)
	Overload capacity	105%<Load rates≤150% Alarm and shutdown after 10 seconds Load rate≥150%, Alarm and shutdown after 5.5 seconds
Protection	(100%R+50%CHG)Maximum efficiency on grid	95%
	Maximum efficiency of battery inverter	93%
	Overvoltage and undervoltage protection	Have
	Output overcurrent protection	Have
	Output short circuit	Have
	Over temperature protection	Have
General parameters	Dimensions (length * width * height)(MM)	650*500*633.9mm(Two) 650*500*789.4mm(Three)
	Weight	139/188KG
	Environmental temperature range	-10~55°C(>40°Load shedding or derating)
	Relative humidity	5%~95%
	Maxi working altitude	>2000m derate
	IP Rate	IP20
	Stand-by power consumption	<100w
	Cooling-down method	Forced air cooling
	Noise index	<60dB
	Display mode	LCD /APP
Number of parallel machines		The all-in-one machine cannot be parallelized/the maximum number of parallel batteries is less than 5 units