

DT PULSE

50kW/100kWh
All-in-one BESS



USE CASES



EV Charging Stations

Enhance the efficiency and reliability of your EV charging infrastructure with energy storage solutions that support peak demand and ensure consistent service for electric vehicle users.



Office Buildings Energy Storage

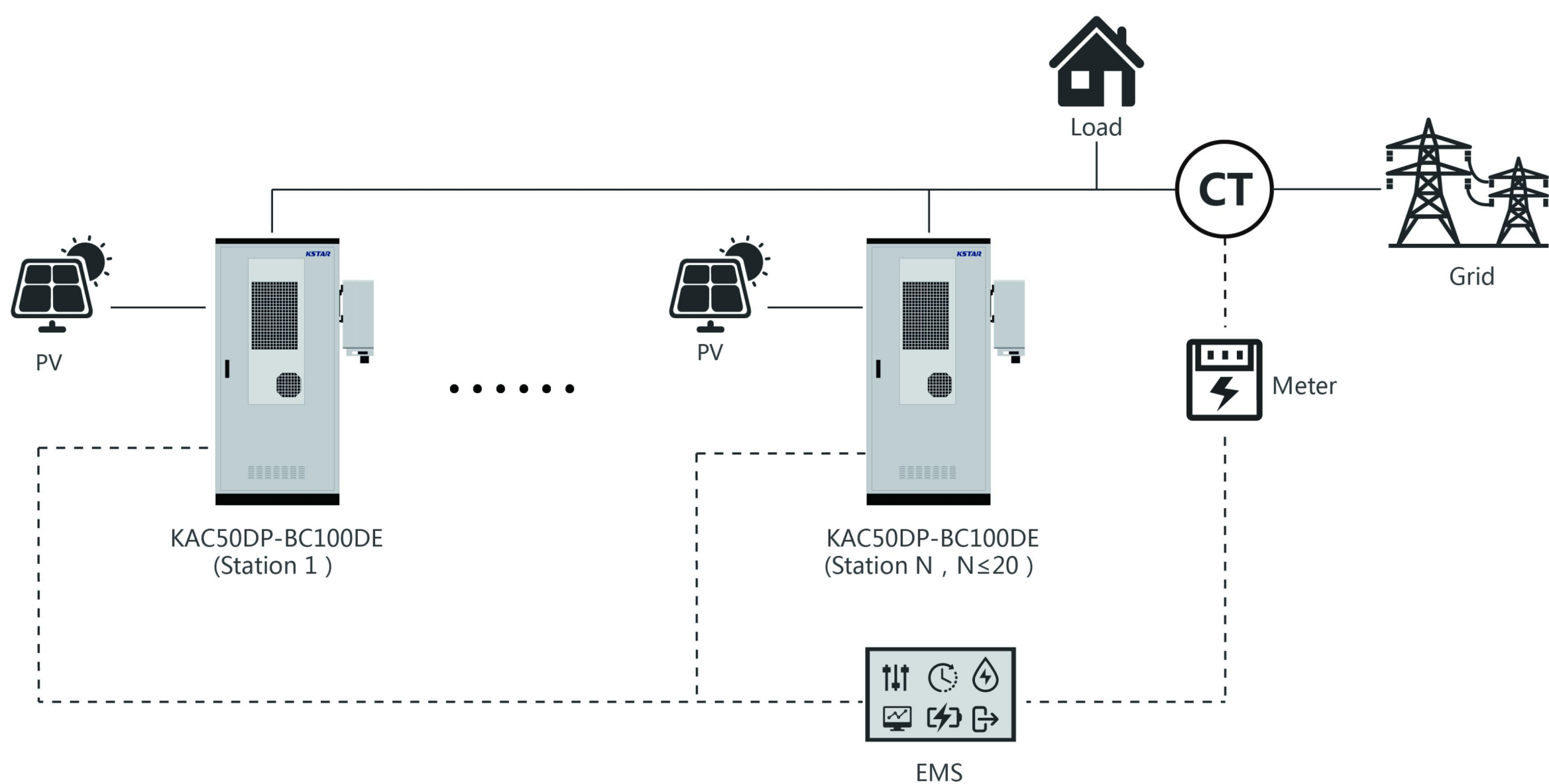
Optimize energy management in office buildings by integrating energy storage solutions that lower utility costs, enhance power reliability, and contribute to a sustainable work environment.



Agriculture Farming

Boost agricultural productivity by using energy storage to manage power supply for irrigation, cooling, and other essential farming operations, reducing costs and improving efficiency.

SYSTEM INFRASTRUCTURE



Outdoor Battery Cabinet Parameters

Model	BC100DE
TECHNICAL PARAMETERS	
Battery Type	LFP
Battery Module Capacity	5.12 kWh
Number of Modules	10*2
Total Battery Capacity	102.4 kWh
Nominal Voltage	512 V
Operating Voltage Range	448 V ~ 565 V
Charge / Discharge Rate	Max. 0.5C
DoD	90%
GENERAL PARAMETERS	
Dimensions (W x H x D)	1100 x 2380 x 1100 mm
Weight	< 1.5 T
Installation Site	Outdoor
IP Protection	IP54
Anti Corrosion Level	C4
Operation Humidity	5% ~ 95% (No Condensing)
Operation Temperature	-30°C ~+ 50°C
Max. Operation Altitude	4000 m (> 3000 m Derating)
Communication Port	Ethernet; CAN
Communication Protocol	CAN; MODBUS TCP / IP
Cooling Method	Air Conditioner
Certificates	IEC 62619-2017; UN 38.3; IEC 61000-6-2/4

Hybrid Inverter Parameters

Model	KAC50DP
PV SIDE	
Max. Input Voltage	1000 V
MPPT Voltage Range	350 V ~800 V
Max. Current per MPPT	36 A
Number of MPPT	3
Number of Inputs Per MPPT	2
BATTERY SIDE	
Dimensions (W x H x D)	750 V
Weight	350 V
Installation Site	500 V ~ 750 V
IP Protection	55 A*2
Anti Corrosion Level	55 kW
Operation Humidity	2
AC SIDE (ON GRID)	
Nominal AC Output Power	50 kW
Max. AC Output Power	55 kVA
Max. AC Current	80 A
Nominal AC Voltage	400 V
AC Voltage Range	340 V ~ 440 V
Nominal Grid Frequency/Frequency Range	50 / 60 Hz ±5Hz
THDv	< 3% (100% Load)
Adjustable PF Range	-1 (Lagging) ~ 1 (Leading)

Hybrid Inverter Parameters

Model		KAC50DP
AC SIDE (OFF GRID)		
Nominal AC Voltage	230 / 400 V ±3%; 3L+N+PE	
THDv	< 3% (Linear Load)	
THDv	50 / 60 Hz	
Nominal AC Output Power	50 kW	
Max. AC Output Power	55 kVA	
EFFICIENCY		
Max. Efficiency	97.5%	
PROTECTION		
Reverse Connection Protection	Yes	
DC Switch	Yes	
Over-Temperature Protection	Yes	
Grid Monitoring/Earthing Fault Detection	Yes	
Insulation Monitoring	Yes	
DC/AC Surge Protection	DC Type II; AC Type III	
GENERAL PARAMETERS		
Dimensions(WxHxD)	650 x 715 x 325 mm	
Weight	75 kg	
Topology	Transformer less	
IP Protection	IP65	
Operation Temperature Range	-25 ~ 60°C (> 45°C Derating)	
Operation Humidity Range	0 ~ 100% (No Condensing)	
Cooling Method	Intelligent Air Cooling	
Max. Operation Altitude	3000 m	
Communication Port	RS-485 / CAN	
Certificates	IEC 62477; IEC 61000; CE;GB/T; IEC 62109; IEC 61683; IEC 60068; IEC 61727; IEC 62116; EN 50549; VDE 4105; G 99	

GOT QUESTIONS?
GET IN TOUCH WITH US

Dan-Tech Energy GmbH

 www.danenergy.de

 Max-Planck-Str. 7, Berlin 12489 Germany

 +49 (030) 5770-34433

 info@danenergy.com