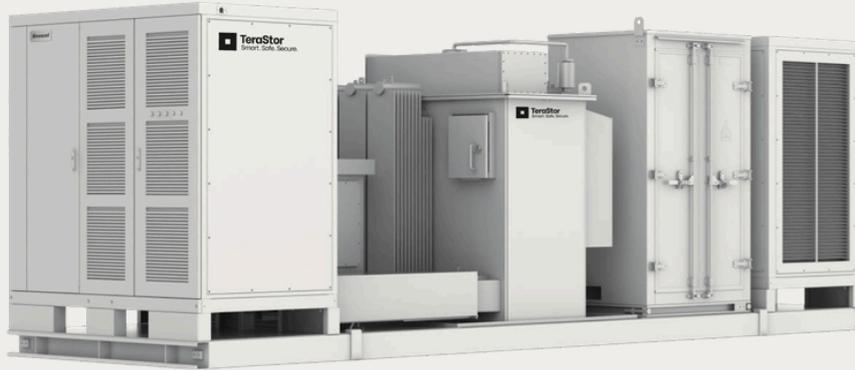


AC-DC BLOC



Purpose-built for simplified grid interconnection and rapid deployment of utility-scale BESS systems

MV TRANSFORMER AND RMU DATA

Nominal AC power	2,580 kVA @ 45 °C		
Transformer Vector	Oil-cooled transformer		
Transformer protection	Protection relay for pressure, temperature (2 levels) and gas		
Oil retention tank	Galvanized steel. Integrated with hydrocarbon filter. Optional		
Switchgear configuration	DeV / CV (RMU)		
Switchgear protection	Circuit breaker (V)		
Switchgear short circuit rating	20 kA 1s (Consult with TeraStor for customized)		
Transformer winding type	Dy11y11 (Consult with TeraStor for customized)		
Overload capability	100%		
MV AC voltage	10 kV - 33 kV (Consult with TeraStor for other voltage level)		
LV AC voltage	690 V	LV-MV connections	Copper bar or cable
AC PF	0.99/-1-1	Cooling type	KNAN
AC frequency	50 Hz / 60 Hz	LV protection	Motorized CB in PCS
Insulation Level	A	THDi	≤3%
Transformer impedance	5.75% - 8%	MV protection	Microcomputer protection

PCS DATA	
Nominal AC power	1,075 kVA
AC connection	Three-phase three-wire (3P3W)
Overload Capability	1,183 kVA
AC voltage	690 (-15% - 10%) V
AC frequency	50/60 (-5-5) Hz
THDi	≤3%
AC PF	-1-1
Number of DC branch	1
Voltage regulation accuracy	≤±1%
Peak efficiency (with auxiliary source)	98.50%
Size (WxDxH)	7.2' × 4.3' × 7.1' ft
Weight	4,235 lbs
Protection	IP54
Operating temp.	-20°C to 50°C (De-rating over 45°C)
Cooling	Air cooling
SKID DATA	
Size (WxDxH)	24.9' × 7.2' × 8.5' ft
Weight	≤44,092 lbs
Enclosure	IP54
Corrosion Prevention	C4
Operating temp.	-20°C to 50°C (De-rating over 45°C)
Storage temp.	-50°C to 70°C
Cooling	Air cooling
Humidity	0–95% (No condensing)
Max elevation	Derating above 1000m/ 3300 ft (Consult with TeraStor for other elevation)
Certification	PCS, transformer, RMU certification based on project country