

# Utility Scale Solution

## 大储方案

### 升压一体机 MV Turnkey Station

3.45MW+5MW



### 产品特点 / Core Feature

 <p><b>便捷运维</b> Easy O&amp;M</p>	<ul style="list-style-type: none"> <li>高集成, PCS, 升压变压器和中压柜, 低占地面积, 便捷运维 High integration, including PCS, step up transformer, medium voltage switchgear, small footprint, easy O&amp;M</li> <li>高防护等级, 便于户外安装维护 High IP protection level, easy for outdoor installation</li> </ul>
 <p><b>灵活应用</b> Flexible application</p>	<ul style="list-style-type: none"> <li>双向逆变器, 四象限运行 Bidirectional PCS with full four-quadrant capability</li> <li>快速有功 / 无功响应, 黑启动功能 Fast active and reactive power response, black start function</li> </ul>
 <p><b>高性能</b> High performance</p>	<ul style="list-style-type: none"> <li>百毫秒级快速响应 Millisecond level rapid response</li> <li>宽 DC 电压范围, 支持 1500Vdc 满功率运行 Wide DC voltage range, full power operation at 1500Vdc</li> </ul>

### 规格参数 / Specification

型号 Model	MV Station-3450kVA	MV Station-5000kVA
<b>直流参数 DC side</b>		
直流电压范围 DC voltage range	1000-1500Vdc	1000-1500Vdc
直流路数 No. of DC inputs	2	4
<b>交流参数 (并网) AC side (On-Grid)</b>		
额定输出功率 Rated AC output power	3450kW	5000kW
额定电压 Rated AC output voltage	690Vac	690Vac
额定频率 Nominal grid frequency	50/60Hz	50/60Hz
功率因数 Power Factor	-1~1	-1~1
THDi	< 3% (额定功率 100% load)	< 3% (额定功率 100% load)
<b>交流参数 (离网) AC side (Off-Grid)</b>		
额定电压 Rated AC output voltage	690Vac	690Vac
额定频率 Rated frequency	50/60Hz	50/60Hz
THDu	< 3% (线性负载 Linear load)	< 3% (线性负载 Linear load)
<b>变压器 Transformer</b>		
额定功率 Rated power	3450kVA	5000kVA
LV/MV 电压 LV/MV voltage	0.69kV/10-35kV	0.69kV/10-35kV
油类型 Oil type	矿物油 Mineral oil	矿物油 Mineral oil
<b>通用参数 General Data</b>		
尺寸 (W*D*H) Dimensions (W*D*H)	6058×2438×2896mm	6058×2438×2896mm
重量 Weight	≤ 16t	≤ 20t
运行温度 Operating temperature	-35°C~60°C (>45°C降额 derating)	-35°C~60°C (>45°C降额 derating)
海拔高度 Altitude	4000m (>2000m 降额 derating)	4000m (>2000m 降额 derating)
IP 等级 IP rating	IP54	IP54
相对湿度 Relative humidity	0~100% (无冷凝 no condensing)	0~100% (无冷凝 no condensing)
冷却方式 Cooling method	风冷 Air cooling	风冷 Air cooling
通讯协议 Communication protocol	ModbusTCP, IEC61850, IEC104	ModbusTCP, IEC61850, IEC104

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