



GROWATT ENERGY STORAGE CONFIGURATION QUICK CHECK LIST



LV Single-phase Energy Storage System					HV Three-phase Energy Storage System
System					
System Model	ARK LV + Single-phase SPA/SPH	AXE LV + Single-phase SPA/SPH	ALP LV + Single-phase SPA/SPH	GBLI 6532 + Single-phase SPA/SPH	ARK HV + Three-phase SPH/SPA
Battery capacity range	2.5kWh-25.6kWh	5kWh-50kWh	5kWh-40kWh	6.5kWh-26kWh	7.68kWh-25.6kWh
Matching battery pack quantity	1-10 pcs in parallel	1-10 pcs in parallel	1-8 pcs in parallel	1-4 pcs in parallel	3-10 pcs in series
BMS/Power module model	NA	NA	NA	NA	HVC 60050-A1
Battery module model	ARK 2.5L-A1	AXE 5.0L-C1	ALP 5.0L-E2-EU	GBLI 6532	ARK 2.5H-A1
Name of the cable from battery to inverter	ARK-2.5L-A1 Cable New	AXE 5.0L Cable	ALP 5.0L Cable	GBLI 6532 Cable	ARK 2.5H-A1 cable
Name of the cable from battery to battery (for 1 cluster in 2 columns)	ARK-2.5L-A1 Parallel Cable New	NA	ALP 5.0L Parallel Cable	GBLI 6532 Parallel Cable X2 ARK Hub (>2 pcs)	ARK 2.5H-A1 Series cable
Wall mounted bracket	Included inside the package of the battery pack	NA	APX Battery Wall Bracket	Included inside the package of the battery pack	ARK Battery Wall Bracket
Battery base model	ARK Battery Base	AXE 5.0L Base	APX Battery Base	NA	ARK Battery Base
Battery configuration formula	Wall mounted installation (N<=4)N pcs * 【ARK 2.5L-A1】 + 1pcs 【ARK-2.5L-A1 Cable New】 Floor standing installation 1 cluster installation N pcs * 【ARK 2.5L-A1】 + 1 pcs 【ARK-2.5L-A1 Cable New】 +1 pcs 【ARK Battery Base】 1 cluster in 2 columns installation N pcs * 【ARK 2.5L-A1】 + 1 pcs 【ARK-2.5L-A1 Cable New】 +1 pcs 【ARK-2.5L-A1 Parallel Cable New 】 +2 pcs 【ARK Battery Base】	Floor standing installation 1 cluster installation N pcs * 【AXE 5.0L】 + 1 pcs 【AXE 5.0L Cable】 +1 pcs 【AXE 5.0L Base】	Floor standing installation 1 cluster installation (N<=5)N pcs * 【ALP 5.0L】 + 1 pcs 【ALP 5.0L Cable】 +1 pcs 【APX Base】 1 cluster in 2 columns installation (N<=5)N pcs * 【ALP 5.0L】 + 1 pcs 【ALP 5.0L Cable】 +1 pcs 【ALP 5.0L Parallel Cable】 +2 pcs 【APX Battery Base】 Note: Adding 【APX Battery Wall Bracket】 per column if need wall-mounted installation	Wall mounted installation 1 pcs * 【GBLI6532】 + 1 pcs 【GBLI 6532 Cable】 2 pcs * 【GBLI6532】 + 1 pcs 【GBLI 6532 Parallel Cable X2】 3 pcs * 【GBLI6532】 + 1 pcs 【GBLI 6532 Parallel Cable X2】 + 1 pcs 【GBLI 6532 Cable】 + 1 pcs 【ARK Hub】 4 pcs * 【GBLI6532】 + 2 pcs 【GBLI 6532 Parallel Cable X2】 + 1 pcs 【ARK Hub】	Wall mounted installation:(3≤N≤4) N pcs * 【ARK 2.5H-A1】 + 1 pcs 【ARK 2.5H-A1 Cable】 +1 pcs 【HVC 60050-A1】 + N pcs * 【ARK Battery Wall Bracket】 Floor standing installation 1 cluster Installation (3≤N≤6) N pcs * 【ARK 2.5H-A1】 + 1 pcs 【ARK 2.5H-A1 Cable】 +1 pcs 【HVC 60050-A1】 +1 pcs 【ARK 2.5H-A1 Base】 1 cluster in 2 columns Installation N pcs * 【ARK 2.5H-A1】 + 1 pcs 【ARK 2.5H-A1 Cable】 +1 pcs 【HVC 60050-A1】 +2 pcs 【ARK 2.5H-A1 Base】 +1 pcs 【ARK 2.5H-A1 Series cable】
Datalogger	Shine WiFi-X, ShineWiFi-X2, Shine Link-X, Shine 4G-X, GPRS-X2, ShineLan-X				Shine WiFi-X, ShineWiFi-X2, Shine Link-X, GPRS-X2, Shine 4G-X
Smart meter	One CT is included inside the package of single-phase SPH/SPA Inverter. SPM-E/C, SPM-CT-E for optional				One three-phase smart meter inside package of three-phase SPH/SPA Inverter. TPM-E, TPM-CT-E(100A), TPM-CT-E(250A) for optional
Backup box	No need for Backup Box, built-in UPS function				No need for Backup Box, built-in UPS function

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Battery Ready Energy Storage System with ARK XH			Battery Ready Energy Storage System with APX HV		
System	<div><div>ARK XH</div><div></div><div>MIN 2500-6000TL-XH MOD 3000-10000TL3-XH</div></div>		<div><div>APX HV</div><div></div><div>MOD 3000-10000TL3-XH(BP) MID 11-30KTL3-XH</div><div>MIN 2500-6000TL-XH</div></div>		
System Model	ARK XH + MIN-XH	ARK XH + MOD-XH	APX HV + MIN-XH	APX HV + MOD-XH(BP)	APX HV + MID-XH
Battery capacity range	5.12kWh-17.92kWh for MIN-XH	7.68kWh-25.6kWh for MOD-XH	5kWh-30kWh		5kWh-30kWh MID-XH can connect with 2 clusters of 30kWh APX HV Battery, reaching up to 60kWh battery
Matching battery pack quantity	2-7 pcs in series for MIN-XH	3-10 pcs in series for MOD-XH	1-6 pcs in parallel		1-6 pcs in parallel Support 2 clusters of 30kWh for MID-XH
BMS/Power module model	BDC 95045-A1		APX 55027-P0	APX 98020-P1/APX 98034-P2	
Battery module model	ARK 2.5H-A1		APX 5.0P-B1		
Name of the cable from battery to Inverter	ARK XH Battery Cable		Included inside the package of power modules		
Name of the cable from battery to battery (for 1 cluster in 2 columns)	ARK 2.5H-A1 Series cable		APX 5.0P-B1 Parallel extension cable		APX 5.0P-B1 Parallel extension cable for 1 clusters 2 columns APX Cascading Communication Cable for 2 clusters
Wall mounted bracket	ARK Battery Wall Bracket		APX Battery Wall Bracket		
Battery base model	ARK Battery Base		APX Battery Base		
Battery configuration formula	<p>Wall mounted installation(N<=4) N pcs * 【ARK-2.5H-A1】 + 1 pcs 【ARK XH Battery Cable】 +1 pcs 【BDC 95045-A1】 +Npcs * 【ARK Battery Wall Bracket】</p> <p>Floor standing installation 1 cluster Installation (3≤N≤6) N pcs * 【ARK-2.5H-A1】 + 1 pcs 【ARK XH Battery Cable】 +1 pcs 【BDC 95045-A1】 +1 pcs 【ARK Battery Base】</p> <p>1 cluster in 2 columns Installation N pcs * 【ARK-2.5H-A1】 + 1 pcs 【ARK XH Battery Cable】 +1 pcs 【BDC 95045-A1】 +2 pcs 【ARK Battery Base】 +1 pcs 【ARK 2.5H-A1 Series cable】</p>		<p>Floor standing installation 1 cluster Installation N pcs * 【APX 5.0P-B1】 +1 pcs 【APX 55027-P0】 +1 pcs 【APX Battery Base】</p> <p>1 cluster in 2 columns Installation N pcs * 【APX 5.0P-B1】 +1 pcs 【APX 55027-P0】 +2 pcs 【APX Battery Base】 +1 pcs 【APX 5.0P-B1 Parallel extension cable】</p> <p>Note: Adding 【APX Battery Wall Bracket】 per column if need wall-mounted installation</p>	<p>Floor standing installation 1 cluster Installation N pcs * 【APX 5.0P-B1】 +1 pcs 【APX 98034-P2/APX 98020-P1】 +1 pcs 【APX Battery Base】</p> <p>1 cluster in 2 columns Installation N pcs * 【APX 5.0P-B1】 +1 pcs 【APX 98020-P1】 +2 pcs 【APX Battery Base】 +1 pcs 【APX 5.0P-B1 Parallel extension cable】</p> <p>Note: Adding 【APX Battery Wall Bracket】 per column if need wall-mounted installation</p>	<p>Floor standing installation 1 cluster Installation N pcs * 【APX 5.0P-B1】 +1 pcs 【APX 98034-P2】 +1 pcs 【APX Battery Base】</p> <p>1 cluster in 2 columns Installation N pcs * 【APX 5.0P-B1】 +1 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】 +1 pcs 【APX 5.0P-B1 Parallel extension cable】</p> <p>Two clusters with separate columns N pcs * 【APX 5.0P-B1】 +2 pcs 【APX 98034-P2】 +2 pcs 【APX Battery Base】 + 1 pcs 【APX Cascading Communication Cable】</p> <p>Two clusters and two columns respectively: N pcs * 【APX 5.0P-B1】 +2 pcs 【APX 98034-P2】 +4 pcs 【APX Battery Base】 + 2 pcs 【APX 5.0P-B1 Parallel extension cable】 + 1 pcs 【APX Cascading Communication Cable】</p>
Datalogger	Shine WiFi-X, ShineWiFi-X2, Shine Link-X, GPRS-X2, ShineLan-X		Shine WiFi-X, ShineWiFi-X2, Shine Link-X, GPRS-X2, ShineLan-X		
Smart meter	SPM-E/C , SPM-CT-E	TPM-E, TPM-CT-E(100A), TPM-CT-E(250A)	SPM-C/E, SPM-CT-E, TPM-C/E for three-phase grid, TPM-CT-E(100/250A) for three-phase grid	TPM-E, TPM-CT-E(100A), TPM-CT-E(250A)	TPM-E,TPM-CT-E(100A), TPM-CT-E(250A)
Backup box	SYN 50-XH-10	No backup function	SYN 50-XH-10	SYN 50-XH-30	SYN 100-XH-30