3kW Phocos AnyGrid Inverter Settings

This is for an off-grid system using 4 series-connected Rolls S6 L16-HC (S-550) **flooded lead-acid** batteries (24 Volt @ 445Ah). If you have a different battery bank it will require changing a few settings. Entries that affect batteries and may need changing are marked.

1	SBU		Source priority – Solar - Batteries - Utility (generator)
2	60	ADC	Max. battery current – 15% of Ah-rating of bank
3	APL		AC input Voltage range – wide range
5	USE		Battery type – User defined
6	LtE	(enable)	Automatic restart on AC overload – on
7	ttE	(enable)	Automatic restart on over-temperature – on
8	Gtd	(disable)	Feed back to grid – off
9	60 Hz	Hz	AC output frequency
10	120	VAC	AC output Voltage
11	40	ADC	Max. battery charge current from AC – NOTE THIS IS DC CURRENT (40A is max. for 15A 120V breaker)
12	24.5	VDC	SBU ONLY: Switch to generator and charge starting at 24.5 Volt
13	FUL	(full)	SBU ONLY: Switch from generator to batteries when at float
16	SNU		Charging source priority: Solar + generator
18	bOF	(off)	Alarm control – off
19	tEP	(stay)	Return to default display – stay on current
20	LON	(on)	Display backlight – 0n
22	AON	(on)	Beep when primary source is interrupted – on
23	byE	(on)	Switch to grid/genset on overload – on
25	FEN	(on)	Log errors – on
26	30.0	VDC	Bulk/absorb Voltage – 30.0V for flooded lead-acid
27	27.0	VDC	Float Voltage – 27.0V for flooded lead-acid
28	SIG	(single)	Stand-along / stacking – single unit
29	22.2	VDC	Low-Voltage disconnect
30	27.1	VDC	Low Voltage reconnect
32	240	min	Absorb time – 240 minutes
33	EEN	(on)	Enable/disable battery equalization – on
34	31.6	VDC	Equalize Voltage – 31.6 Volt for flooded lead-acid
35	120	min	Equalize time – 120 min for flooded lead-acid
36	180	min	Equalize time-out – 180 min
37	45	days	Auto-equalize interval – try to equalize automatically every 45 days
39	AdS	(off)	Force start equalize
40	Nrt	(no)	Reset datalogger
41	ddS	(off)	Maximum battery discharge current – disabled