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EON Lithium batteries are fully compatible with Synapse inverters that have Modbus (RS485) communication capability. The setup guide will assist the installer with the correct configuration and setup of the inverter and battery. The Synapse Inverter that has Modbus communication capabilities is: Note: these settings only apply to one battery. For multiple batteries, please follow the instructions in the manual as well as the best practices for paralleling batteries. Home/Inverters/Inverter Synapse Off-grid Inverter 1000 Watt 24V DCInvertersR2,716.21 -including VAT Synapse 1000w Inverter:Inverter Output:Default Battery System Voltage: 24VRated Power: 1000wSurge Rating (20ms): 3000wWaveform: Pure Sine WaveRated Output Voltage: Inverter: 230V AC (+/- 2% RMS), AVR 195V AC 245V ACInverter Efficiency (Peak): >81%Bypass Efficiency: >95%Output Transfer Time: Typical: 6ms 10ms (Max)Battery:Minimum Start Voltage: Low Battery Voltage Cutoff +0.5VLow Battery Alarm: Low Batter Voltage Cutoff +1VLow Battery Cutoff: 20 ~ 24V DCHigh Battery Cutoff: Nominal Voltage +1VAC Charge:Floating Voltage: 27 / 27.2 / 27.4V DCNominal Voltage:27.6 ~ 29VMaximum Charge Current: 1000WBypass & Protection:Input Waveform: Pure Sine WaveInput Frequency: 50Hz or 60HzLow Frequency Trip: 45+ / -0.2HzLow Frequency Trip: 65+ /0.2HzOverload Protection: 110% ~ 125% R Load fault after 30S 125% ~ 150% R Load fault after 3s > 150% R Load fault after 500msOver Temperature Protection: > 90CBypass Output Protection: 10A 250V ACOutput Circuit Protection: YESMechanical Specification:Dimensions: 385 x 325 x 190mmWeight: 13.5kgShipping Dimensions: 420 x 385 x 225mmOut of stock

Description Additional information Reviews (0) The Synapse 1000w UPS is designed to work and protect electronic appliances and serves as a backup device in extremely hostile power environments. It comes with an AC input that allows the battery bank to be charged through the grid (cable included). An extra wide input AVR conserves battery for added security. Includes a multi-stage surge suppressor which can protect from surges and spikes.The UPS unit does not come with Solar capabilities.Pure sine wave outputSmart LCD setting ( frequency, charge voltage, charge current, etc)Overload and short circuit protectionBattery reverse polarity protection (Optional)Deep discharge protectionCold start functionPLEASE NOTE Fan is very loud and comes on frequently, generally during charge Share copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution You must give appropriate credit , provide a link to the license, and indicate if changes were made . You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material.

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