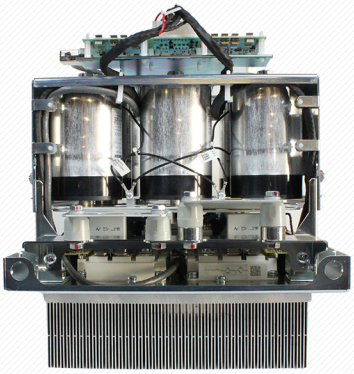
THE WECS ADVANTAGE

IGBT PLATFORM SEMIKUBE®

MODULAR PLATFORM FORAIR COOLED POWERAPPLICATION

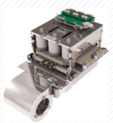


AC DRIVE POWER CONVERTERS

Motor Drives	Size 1/2	Size 1	Size 2	Size 3
$400V_{AC}$ PF = 0.95 Overload 110 %, 60 s	110kW 180A	210kW 320A	440kW 670A	960kW 1460A
$400V_{AC}$ PF = 0.95 Overload 150 %, 60 s	90kW 140A	170kW 260A	340kW 520A	750kW 1140A

-- 3-phase diode/thyristor rectifier and 3-phase IGBT inverter
-- Brake chopper optional

SOLAR PV INVERTERS

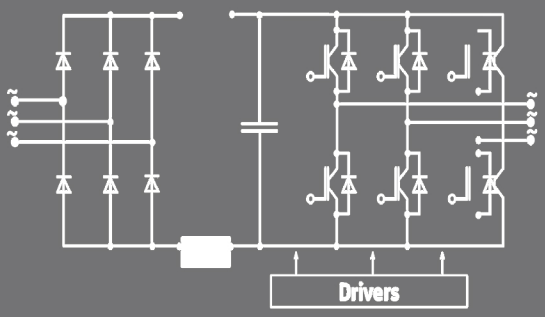
Solar Energy	Size 1/2	Size 1	Size 2	Size 3
				With IntelliOff
$400V_{AC}$ PF=1 up to $1000V_{dc}$ No overload	140kW 200A	240kW 350A	520kW 750A	1000kW 1470A
$690V_{AC}$ PF=1 up to $1500V_{dc}$ No overload	-	-	-	1500kW 1300A

KEY FEATURES

75kVA up to 1500kVA
Power density up to 5.7kVA/litre
Size 3 with new ASIC chipset
Increased SOA with multi switch modes
Drivers and current sensors
Forced air cooled platform
UL recognised
Flexible design

2-LEVEL BUT 1500V DC WITH INTELLIGENT SWITCHING

SEMIKRON
innovation+service



SEMIKUBE AT A GLANCE

-- 4 sizes
-- Power assembly includes IGBTs, capacitor banks, drivers, current and temperature sensors
Pre-qualified platform
-- Complies with environmental standards (IEC 60721-3)
-- Automated electrical tests and 100% fully tested in production
Easy maintenance
-- DC connection via fast-mount clamps
-- Fast replacement time of 30mins
-- Power assembly weighs less than 30kg

WECS RENEWABLES Wind - Solar - Storage
AMERICA'S LEADING SUPPLIER OF SOLUTIONS FOR THE WIND & SOLAR POWER INDUSTRIES.

office 760.251.0040
fax 760.251.0771
19392 Ruppert St, Palm Springs, CA 92263
P.O. Box 580278, N. Palm Springs, CA 92258
info@wecsrenewables.com
wecsrenewables.com