

# UTTAR PRADESH ELECTRICITY REGULATORY COMMISSION

## (Rooftop Solar PV Grid Interactive Systems Gross / Net Metering) Regulations, 2015, Dated: 20-03-2015

Sl. No.	Description	Summary												
1.	<b>Control Period</b>	N.A.												
2.	<b>Scope and Application</b>	<ol style="list-style-type: none"> <li>1. These Regulations shall apply to the Distribution Licensees, the eligible consumers of the Distribution Licensees and third party owners of gross metering arrangement of rooftop solar PV system in the State of Uttar Pradesh.</li> <li>2. These Regulations do not preclude the right of the State authorities to undertake rooftop solar projects of 1 MWp and above capacity through alternative mechanisms.</li> <li>3. Any consumer or third party owner claiming accelerated depreciation benefits on the rooftop solar PV system shall only be eligible to avail net metering arrangement under these Regulations.</li> </ol>												
3.	<b>Capacity of Rooftop PV System.</b>	<ol style="list-style-type: none"> <li>1. The maximum peak capacity of the grid connected rooftop solar PV system to be installed by any eligible consumer shall not exceed 100% of the sanctioned connected load / contract demand of the consumer.</li> <li>2. The capacity of the grid connected rooftop solar PV system to be installed by any eligible consumer or third party owner shall be more than one kilo watt peak minimum.</li> <li>3. The capacity of the grid connected rooftop solar PV system shall be in conformity with the provisions relating to the connected load or contract demand permissible under the UPERC (Electricity Supply Code) Regulations 2005 and subsequent amendments thereof.</li> </ol>												
4.	<b>Capacity of Transformer</b>	<ol style="list-style-type: none"> <li>1. The capacity to be allowed in the area fed from the distribution transformer or any other transformer from which power is fed to the eligible consumer shall not exceed 15% or any other percentage as may be fixed by the Commission of the rated capacity of such transformer(s).</li> <li>2. In case of multiple applications from the consumers or third party owners fed by a transformer for participation in the scheme, the connectivity with the rooftop solar PV system shall be allowed on first come first serve basis.</li> </ol>												
5.	<b>Interconnection with the Distribution System</b>	<p>The connectivity levels at which the rooftop solar PV system shall be connected with the distribution system are as specified below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr. No.</th> <th style="text-align: center;">Connected Load / Contract Demand of Eligible Consumer</th> <th style="text-align: center;">Connectivity Level</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">Up to 5 kW</td> <td style="text-align: center;">Single phase at 230 V</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">5 kW and above up to 50 kW / 63 kVA</td> <td style="text-align: center;">3 Phase, 4 wire at 415 V</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">Above 50 kW and up to 1 MW</td> <td style="text-align: center;">3 Phase at 11 kV</td> </tr> </tbody> </table>	Sr. No.	Connected Load / Contract Demand of Eligible Consumer	Connectivity Level	1.	Up to 5 kW	Single phase at 230 V	2.	5 kW and above up to 50 kW / 63 kVA	3 Phase, 4 wire at 415 V	3.	Above 50 kW and up to 1 MW	3 Phase at 11 kV
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6.	<b>Metering arrangement</b>	<ol style="list-style-type: none"> <li>1. The appropriate meter(s) shall be single phase or three phase as per requirement. All the meters to be installed shall be of the same or better Accuracy Class Index than the existing meter installed at the premises.</li> </ol>												

		<ol style="list-style-type: none"> <li>2. The installation of check meters shall be mandatory for rooftop solar PV system having rated capacity more than 50 kWp. The charges for testing, installation and maintenance of the check meter shall be borne by the eligible consumer. The Distribution Licensee shall own the check meter.</li> <li>3. For installations having rated capacity up to 50 kWp, the eligible consumer or the Distribution Licensee who so ever if desires, may install check meter at their own cost. The Distribution Licensee shall own the check meter.</li> </ol>
7.	<b>Energy Accounting and Settlement</b>	<ol style="list-style-type: none"> <li>1. For each billing period, the Licensee shall show the quantum of electricity injected by the rooftop solar PV system installed at the premises of the eligible consumer in the billing period.</li> <li>2. The Distribution Licensee shall reimburse the eligible consumer or the third party owner as the case may be for the quantum of injected electricity by the rooftop solar PV system during the billing period by way of 'Solar Injection Compensation'.</li> <li>3. Rebates/ delayed payment surcharge as the case may be shall also be payable to the third party owner in the same manner as per procedure specified for the consumer of the Licensee in the UPERC (Electricity Supply Code) Regulations 2005 and subsequent amendments thereof.</li> <li>4. There shall be no deemed generation charges payable to the eligible consumer or third party owner of the solar rooftop system.</li> <li>5. If the electricity injected exceeds the electricity consumed during the billing period, such excess injected electricity shall be carried forward to next billing period as electricity credit and may be utilized to net electricity injected or consumed in future billing periods but within the settlement period</li> <li>6. At the end of each settlement period, any electricity credits, which remain unadjusted, shall be paid at a rate of Rs 0.50/kWh by the Distribution Licensee or as notified by the Commission from time to time.</li> </ol>
8.	<b>Applicability of other charges</b>	In rooftop solar PV system under gross metering scheme / net metering scheme, whether self-owned or third party owned and installed on eligible consumer premises shall be exempted from wheeling and cross subsidy surcharge.
9.	<b>Penalty or Compensation</b>	In case of failure of gross metering or net metering system as the case may be, the provisions of penalty or compensation shall be as per the provisions of the UPERC (Electricity Supply Code) Regulations 2005 and subsequent amendments thereof or as determined by the Commission from time to time.